The
CHEMIST AND DRUGGIST
or RETAILER — WHOLESALER — MANUFACTURER

APRIL 29, 1950

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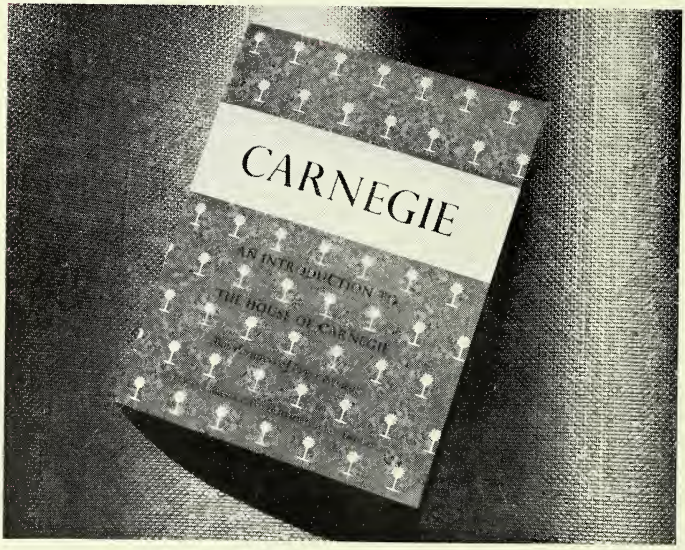

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Olympia May 8th—19th

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The

CHEMIST AND DRUGGIST

for RETAILER—WHOLESALER—MANUFACTURER

APRIL 29, 1950

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NEWS OF THE WEEK

Toilet Preparations Decontrolled.—e Board of Trade has made the Miscel-eous Goods (Maximum Prices) (Amend-nt No. 9) Order, 1950, freeing perfumes l toilet preparations from price control m May 1.

Additions to Doctors' Drug List.—The owing drugs have been added (as from ril 1) to the list of drugs for which tors receive payment:—Ergotamine trate amylobarbitone and amylobarbi-e sodium, cyclobarbitone, diphenan, iso-naline sulphate, compound spray of enaline and atropine, B.P.C.

Tuberculosis Conference.—A confer-e on tuberculosis organised by the ialist Medical Association in London April 22 decided to draw the attention the Ministry of Health to the "criti-situation in the tuberculosis service." a meeting of Press representatives Dr. Joules (medical superintendent, Cen-Middlesex Hospital) said that tubercu-s should be treated with the same vity as smallpox. He urged the fullest of B.C.G. vaccine.

Examination Results. — The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination held in Scotland in April:—

Barker, Leslie	Jensen-Robertson, L. O.
Barley, Albert	Jones, David H.
Campbell, Alexander M.	Mann, Laurence
Casserly, James D.	Morris, William E.
Durber, Norman W.	Myers, John
Goubran, Aziz T.	Norfolk, Norma
Green, Hugh H.	Nussbaum, Anneliese
Hannon, Wilfred B.	Nutt, Barrington O.
Hargreaves, Stephen J.	Sumner, Clarence J.
Hitchin, J. E. H.	Thompson, Geoffrey.

British Association Annual Meeting.—The British Association for the Advancement of Science is to hold its 112th annual meeting in Birmingham, August 30-September 6. The presidential address will be given by Sir Harold Hartley, K.C.V.O., F.R.S., and for the first time an exhibition is being arranged. It will link up with the theme of the meeting, "Energy in the Service of Man." Dr. J. B. Conant (president, Harvard University) will speak on "An Experiment in the Study of Science by Non-scientists." Other speakers will include Professor E. L. Hirst, F.R.S. ("Modern

Developments in Carbohydrate Chemistry"), Professor R. J. Brocklehurst ("The Rôle of Hormones in Digestion"). Amongst the titles for discussions in the physics and chemistry sections are: "Civil Applications of Nuclear Energy"; "Chromatography"; and "Harnessing of Chemical Energy." Copies of the preliminary programme may be obtained from the secretary of the Association, Burlington House, Piccadilly, London, W.1.

World Antibiotics Organisation.—At its first session at Geneva recently, the World Health Organisation's Expert Committee on Antibiotics under the chairmanship of Professor E. B. Chain, F.R.S., drafted a world programme to stimulate research in the field of antibiotics, and to improve the production and distribution of the drugs. The Committee recommended that the W.H.O. should sponsor antibiotics research programmes and grant long-term research fellowships—the best way to increase production of the drugs. The Committee also suggested approaching institutes to serve as centres to provide international research and training facilities, and that W.H.O. should assist the centres in securing the supplies and relaxation of import and export restrictions, etc. Type culture collections should be deposited in certain institutions, and made available to research workers starting their own cultures.

Chemical Society Meetings.—At the annual meeting of the Chemical Society held in Edinburgh on March 29 the following elections were declared:—*President,* Professor E. K. Rideal; *Vice-president,* Professor R. P. Linstead. Sir Ian Heilbron (retiring president) becomes a "vice-president who has filled the office of president." In his presidential address Sir Ian Heilbron stressed the importance of maintaining full publication of the results of research, and appealed to the industry to give generous support to the publication of scientific journals. The opportunity which the Society could render to the research worker, by the provision of a rapid and efficient medium for the publication of his results, were never greater than today. At the concluding meeting of the Society on March 30, the Faraday lecture was delivered by Professor G. Hevesy, who spoke on "The Application of Radioactive Indicators in Biochemical Studies."—At the second annual meeting of the Fine Chemicals Group on April 21, the following officers were elected:—*Chairman,* Dr. F. Bergel; *Vice-chairman,* Dr. Willia Mitchell; *Treasurer,* Dr. B. A. Hems; *R corder,* Dr. F. Hartley. *Auditor,* Dr. R. I Stuckey. *Secretary,* Dr. H. J. Barber.

LOCAL NEWS

Salford Pharmaceutical Committee.—The following have been appointed office of the Salford Pharmaceutical Con mittee:—*Chairman,* Mr. H. Stout; *Tre surer,* Mr. R. O. Jones; *Secretary,* Mr. W Wilkinson, 238 Bolton Road, Salford.

Co-operative Society Sales.—Sales the pharmacy department of the Plymou Co-operative Society during the half-ye ended March 4 were £66,894. The Socie is to give a prize of £2 2s. for the be local pharmacy student.

Import and Export Merchants.—At tl annual general meeting of the Import ar Export Merchants' Section, London Chai ber of Commerce, Mr. W. Mansfield w re-elected *Chairman.* The *Deputy-chai man* is Mr. C. Douglas Scriven.

Test Prescriptions in Sussex. — At meeting of the East Sussex Executi Council recently it was stated that in tl first year of the scheme for testing dru sixty-five of the seventy samples taken b the Council had been dispensed with abs lute accuracy; four were within the sta dard of tolerance.

Recommended for Discipline.—Tl Pharmaceutical Service Committee the Leicestershire and Rutland Executi Council has recommended that one chem ist should be warned to exercise great care in dispensing National Health Servi prescriptions and that £2 2s. should b withheld from another chemist's remuner tion for inaccuracies in test prescriptior

Bradford N.H.S. Statistics.—Accordir to figures submitted to the Bradford E ecutive Council on April 5, the cost of tl National Health Service in the city sin the start of the scheme was £1,631,00 out of which chemists (and suppliers appliances) had received £346,268. Of tl 285,052 persons (97.75 per cent. of tl total population) on the doctors' lis 11,646 had changed their doctor.

Torquay Branch Dinner.—At a dinn and dance organised by the Torqu Branch of the Pharmaceutical Society r cently, the principal guests were Dr. Rol inson Thomas, M.A., M.B. (secretary S.V Branch, British Medical Association) wh

oposed the toast "The Pharmaceutical ociety," and Mr. F. C. Wilson (a mem- r of Council) who responded. Mr. H. olmes presided at the dinner and also mpèred Scottish dances included in the nce programme for which Mr. J. C. ssop was M.C.

Yorkshire Chemists to Unite.—Promi- nt chemists from Leeds, Bradford, Hali- x, Wakefield, Doncaster and Harrogate ve decided to form a Yorkshire Section the British Association of Chemists to nsolidate and safeguard the interests of e profession in the county. Mr. C. B. oodley (the secretary of the Association) ldressing chemists in Leeds recently, said at he told the "Yorkshire Post" that ere was strong feeling among them ainst the present tendency to absorb or bmerge chemists into a heterogeneous dy of general scientists.

Hospital Pharmacists Visit Labora- ries.—A party of thirty hospital phar- acists from London and the home coun- es were conducted over the Wellcome esearch Laboratories, Beckenham, re- ntly, by Dr. H. J. Parish (chemical re- arch director of the Foundation), on pril 13. During the visit tea was served d in the evening the visitors were guests the Foundation at dinner in London, e joint managing director (Mr. C. Gor- n Oakes) presiding. Mr. T. Whittet niversity College Hospital) made a short eech on behalf of his colleagues in hospi- l pharmacy.

Cambridge Branch Jubilee. — At the ver jubilee dinner and dance of the mbridge and Huntingdon Branch of the armaceutical Society, held in Cambridge cently, Mr. B. Olive presided. Among e guests were the vice-president of the ociety (Mr. J. F. McNeal) and Mrs. cNeal, the mayor and mayoress of Cam- idge, and the chairmen of the local den- l and medical associations. Mr. McNeal, plying to the toast of the Society pro- sed by the mayor, stressed the import- ce of pharmacy in the National Health rvice and the necessity of close co-opera- n with the medical and allied profes- ns.

Association of Glasgow Pharmacists.— t a meeting of the Association of Glasgow armacists on April 13, Mr. J. R. Mac- y presiding, a discussion on matters of armaceutical interest took place. Mr. . T. Wilson said that there were about 000 chemists in Scotland of whom 1,640 ere in the South-western Branch of the Society, yet they were only represented by six members on the North British Executive. He estimated that less than 300 voted in the Branch at the previous election and thought the lack of representation in the area was due to apathy. It was suggested that members did not know the candidates and that an address should be inserted on the voting papers to make it clear who they were.

Merthyr Tydfil N.P.U. Dinner.—At the annual dinner and dance of the Merthyr Tydfil branch of the National Pharmaceutical Union recently, the toast "Merthyr N.P.U. Branch" was proposed by Mr. W. J. Canton (chairman, Merthyr and Aberdare Hospitals Management Committee). Mr. A. Bloom, M.P.S. (chairman, Merthyr Pharmaceutical Committee), replied. He expressed his pleasure at seeing many medical practitioners present and paid tribute to the harmonious way in which they worked with local pharmacists. The toast "Our Visitors" was proposed by Mr. T. D. Rees, M.P.S., and Mr. M. Thomas (chief constable, County Borough of Merthyr Tydfil) responded. Mr. David Pugh was M.C. at the dance.

Harrow Lecture on Dyspepsia.—Speaking to the Harrow Branch of the Pharmaceutical Society recently on "The Surgeon's Approach to Dyspepsia," Mr. Harold Dodd, M.B., Ch.M., F.R.C.S., said: "We are what we eat." If people could eat today the fresh foods that were available 500 years ago, the existence of vitamins could be forgotten. Dyspepsia covered several forms of digestive disorders, including gastritis of achlorhydria, gastric ulcer, duodenal ulcer, gastric cancer, gallbladder inflammation and appendicitis. Acute conditions could arise from infected antra or teeth, causing vague abdominal pains sometimes accompanied by thyroid disorders. The surgical treatment for cancer of the stomach was by gastrostomy. For fifty years a "short-circuit" operation had been the usual practice. During the past five years a division of the vagus nerves, or a combination of the two operations, had been carried out. Purgatives and sedatives should be avoided because they might mask symptoms. In cases of acute intestinal obstruction and intussusception, colostomy was resorted to. The operation restored patients to an almost normal life, particularly when their mental outlook could be adjusted to meet the changed conditions. A vote of thanks to Mr. Dodd was proposed by Miss D. I. Morgan and seconded by Mr. C. Holdsworth.

E

IRISH NEWS

Pharmacy Workers' Own Union.—Eire chemists' assistants, who have been members of the pharmacy section of the Irish Union of Distributive Workers and Clerks, decided at a meeting on April 11 to form a trade union of their own—the Irish Pharmaceutical Employees' Association. A provisional committee, under the chairmanship of Mr. Edward Brown, M.P.S.I., was appointed to make the necessary arrangements.

Dublin Photographic Dealers. — At a meeting of the Eire Branch of the Photographic Dealers' Association on April 13, Mr. J. J. Roche presiding, the secretary (Mr. Lyall G. Smith) reported that it had not been found possible to hold the lectures proposed for January and February. The point was made that unless existing photographic dealers and their assistants were fully equipped to deal with sales there was a danger of camera sales leaking into other channels. Chemist dealers must increase their efficiency in photographic salesmanship and with this in vie the first of a series of lectures was to b given at Jury's Hotel, Dublin, at 8.30 p.m on May 2, when Mr. Smith would give talk on "Camera Salesmanship." Appl cations for membership before the com mittee from a number of persons associa ted with photography but not carrying o a retail business were not accepted. Th secretary was asked to contact certai newspapers and journals with a view t holding competitions this year.

Examination Results. — The followin candidates passed the April Licence exam nations of the Pharmaceutical Society Ireland:—James O'Sullivan (gold med marks); Bernard Cullen, Honora Ma O'Neill (honours); Thomas F. X. Corbet John P. M. Dolan, Mary Duckham, Be nard J. Feeney, Cathleen Pauline Hanno James Keane, Rosarie Leahy, Mary Lon Marguerite M. McCann, Kathleen T. Martin, Charles Mernagh, Ellen Mockle Sean P. O'Brien, Riocard C. O'Higgin Henry J. O'Meara, Eleanor Ryan, Nora Twomey.

SCOTTISH DEPARTMENT EXECUTIVE

A MEETING of the Executive of the Scottish Department of the Pharmaceutical Society was held in Edinburgh on April 19, Mr. C. W. Macfarlane in the chair. Other members present were Messrs. Anderson, Bennett, Coutts, W. Spence Culbert, Elder, Gilmour, Graham, Hughan, Meldrum, Michie, Murray, Simpson, Skinner and Whitelaw. Apologies were intimated from Messrs. Connan, H. Spence Culbert, Drummond and McAdam.

THE CHAIRMAN referred to the deaths of Messrs. John Gilmour, Dunfermline; Frederick Walker, Castle Douglas; C. A. Connan, Inverness; William Cummings, Dundee; J. H. Thomson, Lochee; and W. J. Moffat, Glasgow.

Reference was made to the new method of election, whereby only six members of Executive would retire this year. Arrangements were in hand for the issue of nomination and voting papers, and it was agreed that the election of Executive should take place on June 14, the chairman and vice-chairman being appointed scrutineers of the voting papers. It was unanimously agreed that Mr. William A. Park, Aberdeen, should be asked to fill a vacancy caused by the resignation of Mr. John A. Connan, Inverness.

The question of local organisation ha been under consideration for some tim and the Executive framed a resolution the effect that there should be formed Stirling and Central Scottish Branch base on Stirling. The name of the Branch base on Dundee would consequently require be changed to the "Dundee and Easte Scottish Branch."

It was announced that Professor Sta ley Alstead (Regius Professor of Mater Medica and Therapeutics in the Unive sity of Glasgow) would give the inaugur sessional address in November. Arrang ments were made to hold the annual mee ing and the Branch Representatives' mee ing in Edinburgh on June 14, and th resident secretary was requested to ask th Scottish branches to submit subjects f discussion at the Branch Representative meeting. MR. F. W. M. BENNETT (chai man, Pharmaceutical Standing Committ (Scotland)) made a short statement on th present position in regard to the Nation Health Service. It was reported that th resident secretary had been reappointed member of the Scottish Health Servic Council until December 31, 1952, and th £250 had been left to the Society's Ben volent Fund by the late Mr. James Kir Edinburgh.

TOPICAL REFLECTIONS

igher Transport Charges

When writing, a fortnight ago, on the ritish Transport Commission's proposals d the probability of higher charges for e carriage of goods, I had of course no emonition of the contents of the Budget. he taxes now proposed on commercial hicles and on light hydrocarbon oils and avy oils used in such vehicles will if ssed by Parliament, convert this probility into certainty. The raising of transrt charges, including passenger fares, ll become inevitable. Taxi fares (higher parts of the provinces than in London) ve already been increased in the Metrolitan police district. Local authorities are doubt following suit. So far as one can dge the increase in passenger fares will ve less serious results than the increase charges for conveying merchandise. The ject of the new scheme may be to force ore goods traffic on to the railways; but ilway charges are likely to be raised. any case, the scheme or one like it is re to increase the cost of production. The ect of this factor on the export trade ed hardly be pointed out. And this is ppening at a time when, as the remarks Mr. C. H. Massingham on p. 509 show, enuous efforts are being made by British anufacturers to cultivate the American arket with understanding. These efforts ll be rendered futile unless, in the famir phrase prices are right. When will r rulers learn that the world of comerce is a world of hard facts?

inistry of Health Report

The report of the Ministry of Health for e year ended March 31, 1949, is worth e good allowance of space given to your stract of it (pp. 498-99), for it provides picture, partly statistical and partly desptive, of the state of what is loosely lled the national health during the twelve onths. The fact that the death rate vilian 11.0, total 10.8) is the lowest on cord is satisfactory. Pharmacy receives mmendatory though scanty mention. The equacy of the service provided for ational Health Service patients is noted, d the table of dispensing statistics cited you will, I presume, be studied with ecial interest by members of Pharmaceual Committees. Increases in numbers of rsons on doctors' lists and in numbers prescriptions dispensed are more than twofold for the three months July-September 1948 compared with the corresponding months of 1947. As we had reason to expect, the increase in cost is greater in proportion—between three and four times as much for the later of the two periods. Monographs presented at the annual meeting of the British Pharmaceutical Conference are referred to—a recognition seldom if ever before recorded. As is natural, progress in medicine during the year reviewed receives prominence. Investigations about penicillins, a vitamin and a new diphtheria prophylactic are adduced as instances of research leading to actual or potential advances in treatment.

Current Medical Research

A good deal of research of various kinds is going on in medicine. Since your issue of April 22 went to press I have read short accounts of two examples. From the General Register Office has come a comparison, based on interviews with 4,000 people, of health for twelve months before and twelve months after the coming into force of the National Health Service. On collating the results for men and women of all the ages and occupations noted, it appears that the number of consultations with their doctors rose by 13 per cent. How much of this increase was due to necessity and how much to the availability of the new service can hardly be estimated. The other example before me is a description of the National Institute for Medical Research, Mill Hill, to be inaugurated on May 5 by the King and Queen. Progress on construction was halted during the recent war, and the uncompleted premises were used by the Admiralty. It is stated that the space for investigations is about 90,000 sq. ft., and that the staff will include 100 qualified scientists, with three times as many assistants and other members of staff. The department of chemotherapy occupies the largest space: the common cold, radioactive isotopes, bacterial, tropical and virus diseases are to be among the principal subjects for study. The international biological standards, formerly kept in Hampstead, are being transferred to the new address. It hardly need be added that advantage has been taken of the compulsory delay in completing the installation to see that all the equipment is of the latest types.

Xrayser

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. J. FOSTER asked the Minister of Health on April 18 the total cost of drugs, medicines and approved appliances prescribed on Form E.C.10; and how the total cost was divided as between the appliances listed under Part IV of the Drug Tariff, insulin and antibiotic preparations included under Part III of the Drug Tariff, and the National Formulary, and other preparations respectively.

MR. ANEURIN BEVAN: The total amount paid to chemists in England and Wales in respect of these articles to February 28, 1950, was just over £41 millions. I cannot say precisely how this figure was divided, but a running 1 per cent. sample suggests the following approximate percentage costs for 1949: Appliances, 10 per cent.; proprietaries, 28-29 per cent.; other preparations, 61-62 per cent. Particulars are not available about the cost of insulin and antibiotic preparations.

MR. H. NICHOLLS asked the Minister of Health what arrangements existed to enable chemists in financial difficulties to obtain payment of arrears owing to them by his department. MR. BEVAN replied that chemists in financial difficulties could state their case to the Ministry through the National Pharmaceutical Union, and the merits of making a supplementary payment would be considered.

Olive Oil

SIR DAVID ROBERTSON asked the Minister of Food on April 19 the quantity of olive oil stocks transferred to the Olive Oil Importers' Association by his Department in 1947; the price per gallon paid by the Association, and the quantity of such stocks that remained unsold at the present time. MR. MAURICE WEBB replied that his Department had transferred 300 tons in 1947 at a price of £425 a ton. The whole quantity had been sold.

Tests on Cortisone

MR. P. H. COLLICK asked the Lord President of the Council on April 19 if he would make a statement giving the results of the experiments and investigations conducted by or under the auspices of the Medical Research Council into the use of cortisone (compound E), in the treatment of rheumatism, arthritis and allied diseases. MR. HERBERT MORRISON replied that it was too early for any results to be available, though useful progress had bee made. Sufficient material was now beir received to permit tests on selectc patients.

Should It Be Restricted?

MR. BAKER WHITE asked the Home Se retary on April 20 if he was satisfied th a "patent" medicine sold under the nan of Dolcin, and advertised as a cure f rheumatism, could be sold with safe without a doctor's prescription? MR. CHUTER EDE said he had no reason think the sale should be restricted.

Bulk Prescribing

MR. HUGH N. LINSTEAD moved a prayer c April 20 for the annulment of the Nation Health Service (General Medical and Pha maceutical Services) Amendment (No. Regulations, 1949. He drew attention pa ticularly to two paragraphs: No. 16, dea ing with the advertising of the pharmace tical services, and No. 11, dealing with new system of prescribing under the Ac Both regulations, he said, involved matte of principle, and that was his justificatic for asking for one or two assurances. Tl new method of prescribing medicines pe mitted in an institution a doctor who w responsible for the medical care of the i mates of the institution to write prescri tions for stocks of drugs and medicines i stead of writing prescriptions for individu patients. That represented a substanti departure from the principles of tl National Health Service. The Sectic under which those regulations were mac was a section which, in two places, mac provision for personal medical service The first point he wished to make was th a provision whereby bulk medicines we prescribed to institutions to be kept store in those institutions until someboc there required them was a complete d parture from the principle of a medic service. He believed the intention ha been to meet a quite understandable cor plaint from boarding schools and places that kind, where there was a sanatorium which it had been customary to keep stoc of medicines and where, in the stri method of the Health Service, it might b wasteful for a doctor to prescribe a seri of individual bottles of medicine whc there was an epidemic or where there w a group of patients in the sanatorium a suffering from the same illness. If tl regulations were merely to provide for th

ontingency, they might be described as roviding for personal medical service. ut the regulations deliberately did not o that. They said that every time a hool doctor or doctor attending a ational Assistance institution wrote one those bulk prescriptions, he had to nter the name of the school or institution, nd the number of persons residing there- for whose treatment he was responsible. n other words, it was not merely a bottle medicine or a number of tablets to be ivided amongst a number of patients, but new departure of building up of stocks a sanatorium or the sickroom of an in- itution. Secondly, why choose one type institution for preferential treatment?

dvertising Pharmaceutical Services

Another point related to the advertising the pharmaceutical service in chemists' ops. Advertising by doctors and dentists as controlled by their professional bodies, nd was largely prohibited.

"I should have thought it would be the esire of the Minister of Health to extend similar prohibition to the optical and harmaceutical services and that the last ing he would want would be one person roviding the National Health Service in ompetition with another person, with the nplications that one was providing a bet- r service than the other, and that the linister was providing a different service a different quality in different places."

The Minister had settled a standard rm of notice the optician might display, ut in connection with the pharmaceutical rvice he had gone far beyond that and ad permitted competitive advertising mong different chemists. He had done at by ignoring the advice given to him y the professional body responsible for e discipline of chemists, and he had cted against the views held in his own epartment until eighteen months ago. At e end of the regulations was a definition "advertising" which included—"Ad- rtising in newspapers, by circular letters, udspeakers, by placards, streamers or gns, and by films or slides."

"Instead of contenting himself by rely- g on the professional disciplinary body, e has now instituted his own profesisonal ethods, which include provision for all ose methods of advertising to which I ave referred and I am sure that in doing he has cheapened his own service. It a matter of very great regret that he ould have put himself into competition ith the standards laid down by the professional body. I believe that the professional body will still insist upon applying its own standards, irrespective of the slacker standards which the Minister may be prepared to see."

Secretary's Reply

Mr. Arthur Blenkinsop (Parliamentary Secretary) replied. On the subject of bulk prescribing, he said it was obviously true that in general the practitioner should prescribe individually for each patient, and that had been the principle on which the Service had been founded. In practice they had found, as the result of experience, that there were certain exceptional cases where that was very difficult to apply, and where it seemed to the Ministry to be wasteful of both the doctor's time and that of the patient, as well as wasteful of medicine bottles and medicines. They could take the case of the boarding school or some institution, where one doctor was responsible for many of those in the institution, and where there might be some comparatively mild infection among many of those for whom the doctor was providing a service. It had been found in practice that the doctor had been expected under the existing regulations to make out a separate prescription form for each of the patients suffering exactly the same ailment. That was rather stupid, particularly when it might amount to quite a number of pupils in schools or institutions. There they must have some simpler form that would save the time of the doctor and indeed save medicine bottles. The Ministry appreciated that there were problems involved. They would keep an eye on the operation of the regulation and reconsider it if it did not work out satisfactorily.

On the question of advertising, he said the present position was that advertising could be undertaken solely in the windows of chemists' premises and within the approved wording. There were three points of view in the profession, and it was not quite fair to say that the profession was unanimous about this matter. That, to some extent, was the Minister's difficulty. "We will, of course, keep under review these changes which we are making, and if there appears to be any general abuse of the regulations or if any undesirable practices appear to be developing, then clearly we shall be perfectly willing to review them and to make such amending regulations as may be necessary."

Mr. Linstead withdrew his prayer.

NEW COMPANIES

A. S. Floyd (Chemists), Ltd. (P.C.).—Capital £1,500. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Phyllis Floyd, director. R.O.: 70 City Road, Cardiff.

C.B.D. Mowson, Ltd. (P.C.).—Capital £5,000. To carry on the business of manufacturing and dispensing chemists and druggists; opticians, etc. Muriel A. Mowson and Charles B. D. Mowson and Edward V. Abraham, M.P.S., directors. R.O.: 213 Ashby High Street, Scunthorpe, Lincs.

Rockwell Co. (Darlington), Ltd. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in all kinds of tooth-brushes, containers and compacts, dentifrices, toilet preparations, etc. Robert P. R. van der Veken and Muriel I. van der Veken, directors. R.O.: 5 Carmel Gardens, Darlington.

Parekem Products, Ltd. (P.C.).—Capital £1,000. To acquire the business formerly carried on as Parekem Products, and to carry on the business of manufacturers, exporters and importers of and dealers in chemicals, drugs, etc. Robert E. Roberts and Patricia Roberts, directors. R.O.: 172 Upper Brook Street, Ardwick, Manchester, 13.

M. L. Alkan (Production), Ltd. (P.C.).—Capital £7,500. To take over jointly or in association with M. L. Alkan (Sales), Ltd., the business carried on by M. L. Alkan at Long Drive, Greenford, Middlesex; and to manufacture and deal in chemicals of all kinds, etc. Max L. Alkan and Kaete Alkan, directors, 14 Courtleigh Bridge Lane, London, N.W.11.

Company News

Stevenson & Howell, Ltd.—Mr. A. M. Luckhurst has been appointed secretary to the company.

British Chemicals & Biologicals, Ltd.—No additional directors have been appointed. It is regretted that a recent note in these columns incorrectly stated that such appointments had been made.—Editor.

Lewis & Burrows, Ltd.—Group profit for the year ended September 30, 1949, amounts to £11,331 (against £13,007), after provision for taxation of £14,294 (£14,337), and for deferred maintenance, repairs and dilapidations of £7,012 (£4,361). A dividend of 10 per cent. ordinary stock is proposed. The sum £2,190 (£2,040) is carried forward. M James C. A. Davis (chairman) in his revie says that sundry debtors increased fr £8,454 to £15,018, mainly attributable amounts owing for N.H.S. prescriptio

Voluntary Liquidations

Pompeian Co., Ltd., perfumers, 68 P Mall, London, S.W.1. Liquidator: Al William Pickles, A.C.A., address as abo

B.A., Ltd., "patent" medicine distrib tors, 24 Old Broad Street, London, E.C Liquidator: Joseph H. Payne, F.C.I. address as above.

Howard-Taylor, Ltd., manufacturi chemists, 89 Kingsway, London, W.C.2. A general meeting of the members and meeting of the creditors of the compa will be held at the above address (fi floor) on May 24 at 3 p.m. for the pu pose of showing the manner in which t winding up has been conducted and t property of the company disposed of. statement issued by the liquidators sho that the net realisation amounts to £5c

LEGAL REPORTS

Youths on Shop-breaking Charge.—youth who was charged at West Suss quarter sessions on April 14 with sho breaking at Boots, Ltd., Littlehampton, w stated to hold the Royal Humane Societ certificate for saving a girl from drownir The youth, Stanley Ronald Burdfie aged seventeen, Harwood Road, Litt hampton, was charged jointly with N man Henry Latter, East Ham Road, a Malcolm Allen Kent, Linden Road, Bur field asked for fifteen other offences to considered, Latter nine, and Kent thirtee Latter and Burdfield were sent to Borst and Kent conditionally discharged.

Drugs Not Under Lock and Key.—Wolverhampton recently, Dr. Kathle Patricia Lees, 30 Tottenhall Road, Wolve hampton, was fined £5 on a charge leaving drugs in unlocked cases in an u locked car.—At Birmingham recently, D Walter Seymour Terry, Stratford Roa Sparkhill, was fined £10 for failing keep Dangerous Drugs in a locked rece tacle. Dr. Terry was stated to have report to the police that his medical case h been stolen from his car. Next day t case, unlocked but with the locks inta was found in the entry of a house in Mos ley, with the Dangerous Drugs and oth medical supplies still inside.

Pharmacy Acts Fines.—At Ramsey, ants, magistrates' court, on April 19, lmer & Son, Ltd., druggists, High Street, msey, were fined £1 for selling Do-Do lets when they were not authorised sel- s of poisons, and £1 for selling the tab- s in an unlabelled container; they were o ordered to pay £3 3s. costs. For the fence it was explained that a qualified emist had been employed by the firm up some fifteen months ago, and when he t the business was turned into a drug re. All the poisons—so it was thought were sold to a local chemist.—At ogheda district court on April 20 Mrs. lright and Mr. Jeffers, partners in a general business conducted at Laytown, co. Meath, were prosecuted at the instance of the Pharmaceutical Society of Ireland with a breach of the poisons laws by selling a hair pomade containing veratrine, the sale having been made by an unqualified person. A plea of guilty was made on behalf of both defendants. Upon learning from the Society's inspector that she was breaking the law Mrs. Allbright returned to the wholesaler the balance of the stock. When the justice learned that Mr. Jeffers, the partner, was a qualified chemist practising in Northern Ireland, he thought Mrs. Allright could have been advised. He imposed a fine of £20, with costs.

C. & D. RETAIL AND DISPENSING PRICE LIST

E following price changes, which took place ring March, should be noted. The drug lex for the month was 185·3.

Cost per	Item	Retail price 16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
5 oz.	Azorubrum ..	—	—	—	0 7
5 oz.	Caffeina ..	—	—	10 3	1 8
9 oz.	Caffeinæ citras	—	—	5 9	0 10
5 oz.	Caffeinæ et sodii iodid.	—	—	8 2	1 4
9 oz.	Caffeinæ et sodii salicylas	—	—	5 9	0 10
5 dr.	Ephedrina P.1.(8)	—	per gr.	0 1	5 10
2 oz.	Ephedrinæ hydrochlor. P.1.(8)	—	per gr.	0 1	3 10
2 oz.	Ext. grindeliæ liq. B.P.C.	—	—	3 3	0 6
5 lb.	Glyc. pepsini. B.P.C.	—	5 0	1 5	0 2½
3 gr.	Hyoscin.hydrobrom.S.1.(4)	5 grs.	5 9	per gr.	1 11
4 oz.	Ol. caryophylli	—	—	3 6	0 6
5 lb.	Ol. ricini opt.	3 9	1 1	0 4	—
2 oz.	Pancreatinum	—	—	3 3	0 6
5 oz.	Papainum ..	—	—	4 5	0 8
4 dr.	Papaverum hydrochlor. S.1.(4)	—	—	per gr.	0 3½
4 lb.	Pasta resorcin. co. mit.	—	3 0	0 10	0 2
3 lb.	Sal. prunellæ glob. parv.	—	1 9	0 6	—
5 60	Tr. rhei co. ..	—	2 8	0 9	0 1½
1 lb.	Ung. capsici ..	—	1 10	0 6	—
5 oz.	Ung. capsici fort.	—	—	1 6	0 3
3 lb.	Ung. colophonii	—	1 9	0 6	—

TABLETS

Cost d.	per	Item	Selling price 25 s. d.	100 s. d.
189	1000	Caffein. citras gr. 2	1 2	2 11
228	1000	Dover's gr. 5 S.1.(6)	1 3	3 5
105	1000	Ephedrin. hydrochlor. gr. ¼ P.1.(13)	0 10	2 2
375	1000	Ephedrin. hydrochlor. gr. 1 P.1.(13)	1 9	5 6
425	1000	Ergotæ præp. gr. 2½ S.1.(6)	1 10	5 9
1320	1000	Sulphadiazin. 0·5 gm. S.1.℞ only	4 8	17 0
462	1000	Sulphaguanadin. 0·5 gm. S.1.℞ only	2 0	6 3

INJECTIONS

Item	Cost ½ doz. d.	Selling ½ doz. s. d.	Cost doz. d.	Selling doz. s. d.
Acetylcholine 0·05 gm.	44	5 0	—	—
Adrenalin. tart. 0·5 mil P.1.(13)	20	2 6	36	4 6
Adrenalin. tart. 1 mil P.1.(13)	20	2 6	36	4 6
Bismuthi, B.P. 1 mil	40	5 0	76	9 6
Pituit. post., B.P. ½ mil P.1.(13)	24	3 0	44	5 6
Pituit. post. B.P., 1 mil P.1.(13)	36	4 0	68	8 6
Vitamin B12, 10-microgm.	48	6 0	for 3	—
Vitamin B12, 20-microgm.	72	9 0	for 3	—

BIRTHS

McLennan.—On April 23, Margaret, the wife of Charles P. McLennan, M.P.S., The Pharmacy, Cardenden, Fife, of a daughter.

Somerville.—At Balshagray Nursing Home, Glasgow, an April 18, Marie (née Connochie), wife of John Cameron Somerville, B.Sc., Ph.C., 12 Vinicombe Street, Glasgow, W.2, of a daughter.

MARRIAGES

Gorman—Sanderson.—At St. Columbanus' Church, Groomsport Road, Bangor, co. Down, Northern Ireland, on April 18, William Gorman (secretary of the Pharmaceutical Society of Northern Ireland), Carrickfergus, co. Antrim, to Dorothy Ivy Patricia Sanderson, S.R.N., Bangor.

MacDonald—MacCallum. — At the West Church, Inverness, on March 14, Dr. Donald MacDonald, son of Mr. K. J. MacDonald, M.P.S., 20 Cromwell Street, Stornoway, to Agnes Elizabeth MacCallum, Rodel.

DEATHS

Davidson. — Recently, Mr. Andrew Davidson, M.P.S., 18 Derwent Road, Ipswich. Mr. Davidson qualified in 1904.

Davies.—On April 13, after a sudden illness, Mr. T. A. M. Davies, Rotherslade, Lon-y-Winci, Rhiwbina, Cardiff, Glam. Mr. Davies served for sixteen years as a representative in South Wales of Johnson & Johnson (Gt. Britain), Ltd., and had a wide pharmaceutical connection in that area.

Dawson.—At 7 Malta Terrace, Edinburgh, on April 16, Mr. Alexander Fraser Dawson, M.P.S. Mr. Dawson, who was formerly in business at 14 Deanhaugh Street, qualified in 1889.

Deeks.—On March 29, Mr. William Thomas Deeks, Ph.C., High Street, Shanklin, Isle of Wight. Mr. Deeks qualified in 1881. [Corrected note.]

Gordon.—On April 12, Mr. Tom Blanton Gordon, M.P.S., 78 Woodlands Road, Sparkhill, Birmingham, aged seventy-nine. Mr. Gordon qualified in 1903 and was in business as a chemist in the Parade, Birmingham, for thirty years. He retired in 1942, but took up his duties again during the war years. Mr. and Mrs. Gordon celebrated their golden wedding anniversary in 1948.

Kirk.—At 126 Viewforth, Edinburg on April 8, Mr. James Kirk, formerly 16 Forbes Road, Edinburgh. Mr. Ki qualified as a chemist and druggist 1888. The funeral was held at Mornir side Cemetery, Edinburgh, on April 11.

Mallinson.—Suddenly, on April Mrs. Laura Jessie Mallinson, wife of M G. A. Mallinson, M.P.S., a past secret of the National Pharmaceutical Unic Holmcroft, Rosebery Avenue, Hampd Park, Eastbourne, after a short illness.

Peterkin.—On April 13 Mr. Willi Edward Hurst Peterkin, M.P.S., 30 Moc Avenue, Harton, South Shields, aged fif six. Mr. Peterkin qualified in 1921. He h been for some years the general mana of Mason & Co., Ltd., South Shields, a had served previously as a district mar ger for Timothy Whites & Taylors, L He was an active member of the Sou Shields Pharmaceutical Association, had been in poor health for some time.

Way. — On March 30, Mr. Willi Stuart Way, M.P.S., 72 Brighton Ro Hooley, Coulsdon, Surrey. Mr. Way tired from the post of chief pharmacist Netherne Hospital, Coulsdon, in 19 after serving at the hospital continuou since 1909, in which year he had been pointed pharmacist and secretary to medical superintendent. He continued serve the hospital in a temporary ca city until his death. Mr. Way was re tered in 1920 under Section 4 of the P sons and Pharmacy Act, 1908.

Wickham.—On April 11, Mr. Willi Edward G. Wickham, M.P.S., 3 Bric Street, Hungerford, Berks, and 65 Sidw Street, and 56 South Street, Exeter, ag forty-five. Mr. Wickham qualified in 19 and for six years was a member of Exeter city council. He was a well-kno Freemason. He leaves a widow and t children.

Wood.—On April 13, Mr. William Fr Wood, M.P.S., 319 Woodborough Ro Nottingham, aged seventy-five. Mr. W qualified in 1898 and was for a time ph macist at the Hospital for Sick Childr Great Ormond Street, London. In 19 he removed to Nottingham, where carried on a business at Dame Agnes Str until he retired in 1942. Mr. Wood wa keen golfer and angler.

Wright. — On March 13, Mr. Os Gerald Wright, M.P.S., 158 High Stre Harborne, Birmingham. Mr. Wright qua fied in 1921.

PERSONALITIES

Miss I. Townsend, the first woman to appointed a member of the Council of the Association of British Pharmaceutical Industry, joined Glaxo Laboratories, Ltd., in 1919, as foreign correspondent (in export department). She later became the company's export manager, and in 1947 was appointed an executive director. Miss Townsend has travelled widely during the course the duties that she has undertaken for company.

Professor A. D. Macdonald, M.Sc. anchester), M.D., M.A., M.B., Ch.B. (Edinburgh), who has been appointed by the Privy Council a member of the Council of the Pharmaceutical Society, is Leech professor in materia medica, pharmacology, and therapeutics at the University of Manchester. He was appointed lecturer in experimental physiology at the University in 1926, der in pharmacology two years later, Leech professor in 1935. He served as n of the medical school, 1938-43, and, r, was the Medical Research Council's son officer to the National Research ncils of the United States and Canada. fessor Macdonald is a member of the ish Pharmacopœia Commission and of M.R.C's. committee on analgesia in our. He is an editor of the "Journal Physiology" and "British Journal of rmacology and Chemotherapy." After lifying as a doctor from Edinburgh versity, he worked at that University, University College, London, and at the bonne, Paris. His special pharmacologi- interests are local and general anæs- ics and analgesics.

BUSINESS CHANGES

Mr. A. R. P. Head, M.P.S., has opened a pharmacy at 15 Elim Terrace, Abbotts Road, Peverell, Plymouth.

Mr. F. S. Munro, M.P.S., is continuing the business of J. H. Thomson, 102 High Street, Lochee, Dundee, of which he is now the surviving partner.

Mr. J. Simpson, M.P.S., has acquired the business of John Fyfe, 15 Fenwick Road, Giffnock, Renfrews, formerly owned by Miss E. W. Fyfe, M.P.S.

Mr. W. N. Bonnar, M.P.S., is continuing the business of William Bonnar, 42 Rutherglen Road, Glasgow, on the retirement of Mr. G. V. Bonnar (a partner).

Barclay & Sons, Ltd., Brighton, have appointed Mr. M. P. Greenbat, 8 George V Avenue, Lancing, Sussex, their representative in Hove and West Sussex.

Duncan, Flockhart & Co., Ltd., Edinburgh, have appointed Mr. W. V. Lambert, 12 Yarburgh Street, Whalley Range, Manchester, 16, their representative for Lancashire, the Midlands and Isle of Man.

Archway Laboratories, Ltd., request their customers in Lincs, Leics, Notts, and Norfolk to forward their orders to 182 Albion Road, London, N.16, since their representative in that area has retired.

J. C. Eno, Ltd., Watford, Herts, having reorganised their sales representation in England and Wales, the representatives and areas are now as follows:—Messrs. W. Hurst, Cumberland, Westmorland and North Lancs; J. D. Simpson, Northumberland and Durham; E. Phillips, North Yorks; M. S. Walsham, West Lancs; H. Starkie, East Lancs; H. Armstrong, South Yorks; H. Pearson, North Wales, Isle of Man, Liverpool; W. E. Hewitt, Ches, Salop; C. N. Stickland, Staffs, Leics, and Rutland; S. B. Cooper, Derbys, Notts, Lincs; H. Barton, Warwicks, Worcs; J. H. Edwards, South Wales; G. Wrightson, Wilts, Glos, Mon, Herefords, Brecknocks and Radnors; C. H. Maile, Oxon, Berks, Middlesex; S. Rivlin, Home Counties; H. Webber Ellis, Essex, Suffolk, Norfolk; F. G. Allen, London, N.W.1-11, W.1-14, W.C.1 and S.W.1; K. V. Hardwick, London, E.1-18, N.1-22, W.C.2 and E.C.1-4; G. E. Andrews, London, S.E.1-27 and S.W.2-20; E. A. J. Manktelow, Surrey, Kent (part); A. Kendall, Cornwall, Devon and Somerset; A. J. Wood, Hants, Dorset; H. E. Waldon, Sussex, Kent (part).

TRADE NOTES

Bonus Offer Ends.—T. J. Smith & Nephew, Ltd., Neptune Street, Hull, state that their special discount parcel offer of waterproof Elastoplast first-aid dressings terminates on April 30.

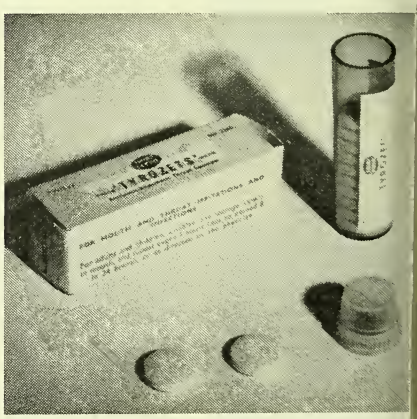
Selling Agents.—Oakfield & Co., Whielden House, Whielden Street, Amersham, Bucks, have appointed the Southern Manufacturing Co., Ltd., 214 West Regent Street, Glasgow, C.2, to be their sole selling agents in Scotland, Cumberland, Northumberland, Westmorland and Durham.

Label Change.—Burroughs Wellcome & Co., London, N. W. 1, announce that from May 1 the company's ergometrine compressed products and ampoules will be adjusted so that the labelled strength will refer to the official salt, ergometrine maleate, instead of to the base as formerly. New prices are announced.

Titles of Specialities.—Evan Williams Co., Ltd., Aintree Road, Perivale, Greenford, Middlesex, point out that the titles of their henna and chamomile shampoos in packets are unchanged. The words "toning pack" have been incorporated in the titles of their graduated henna and henna and chamomile application shampoos, which are now known as graduated henna toning pack and henna and chamomile toning pack respectively [Corrected note.].

In Better Supply.—H. W. Carter & Co., Ltd., The Royal Forest Factory, Coleford, Glos, announce that supplies of Ribena blackcurrant syrup are easier (though still not unlimited). — Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham, state that Altex sanitary towels are now more freely available.—The Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 19, state that ample supplies of Distaquaine-G crystalline penicillin-G procaine salt in aqueous suspension for intramuscular injection are available from Allen & Hanburys, Ltd., The British Drug Houses, Ltd., Burroughs Wellcome & Co., Evans Medical Supplies, Ltd., Imperial Chemical (Pharmaceuticals) Ltd., and Pharmaceutical Specialities (May & Baker), Ltd.

Package Changes. — Colloidal Chemists, Ltd., London, S.W.1 (sole distributors: Thomas Christy & Co., Ltd., Farnham, Surrey), have made available Damaskin Cosmeticolor leg make-up cream in a collapsible tube in full-colour display pack. Details of bonus display terms ar given on another page.—Macdonald & Son, Ltd., Bradford Road Mills, Manches ter, 4, draw attention to an announcemen in colour elsewhere in this issue from whicl it will be seen that Silcot sanitary towel are now being issued with a detachabl band round the packet instead of gumme seals at either end. The bands are in dif ferent colours for the various sizes, an may be torn off before the customer leave the shop. Similar bands are in use fc Vansilla soluble towels made by the sam manufacturers.—Sharp & Dohme, Ltd



West Hill Laboratories, Hoddesdon, Her are now issuing Tyrozets lozenges in special plastic tube, a feature of which its moulded, pliable, plastic stopper, pr viding a closure believed new to this cou try.

New Products. — Ciba Laboratorie Ltd., Horsham, Sussex, have introduced surgical and general disinfectant entitl Bradosol. Bradosol is claimed to possess m ked bactericidal activity against both gra negative and gram-positive organisms this respect it is considerably more pot than cetrimide, B.P.C., and chloroxylen B.P.). The active substance, a quat nary ammonium compound and catio detergent, is presented as a perfumed, per cent. solution (it is used in lower c centrations than other bactericides). Wi in the next two or three weeks every che ist and doctor in Great Britain is be sent a sample; the usual discount is lowed to stockists.—Gillette Industri

D. (Toni Division), Isleworth, Middlesex, introducing a new "home perm" out- that includes Toni spin curlers; details given on another page.

Information About Prices. — BRITISH D-LIVER OILS (HULL & GRIMSBY), LTD., Andrew's Dock, Hull, Yorks, state that ere is no increase in the prices of Seven- as or the company's veterinary cod-liver s.—BURROUGHS WELLCOME & CO., 183 ston Road, London, N.W.1, announce reased prices for Tabloid brand sulpha- zine, 0.5 gm.—The 1950 price list of CROOKES LABORATORIES, LTD., Park yal, London, N.W.10, is being issued to emists on May 1, and the prices become erative on the that date. Recipients of the are asked to note that, since it was nted, amendments have become effec- e in the following items:—Crookes vita- n quota capsules; Crookes vitamin C lets; Crookes vitamin K (acetomena- thone) tablets and Crookes ichthyol pes- ies. Karvol insect-bite lotion (in 1-oz. tle) is temporarily discontinued, and rchase-tax changes have affected Peda- m, pulv. alkalina co., and Intradex. ssrs. Crookes announce that, from May they propose to exercise the right to rge carriage on orders below £2 gross ue, as mentioned on the "general ms" page. Copies of the list will be ilable, after the general mailing, to subscribers who have not received a y.—The manufacturers of Tattoo lip- k (sole distributors: FASSETT & JOHN- N, LTD., 86 Clerkenwell Road, London, .1), announce that its price is being uced on June 1 to the pre-war level.— ised prices for the following products PARKE, DAVIS & CO., Staines Road, unslow, Middlesex, came into operation April 18:—Adrenaline and cocaine hy- dermic tablets, No. 151; cocaine hydro- oride Oculets, gr. 1/20, No. 4; homa- oine and cocaine Oculets, No. 16.

Proprietary Articles Trade Association

Additions to Protected List (Part 2). *Northern Warren, Ltd.* (Agents: *J. C. nbles & Co., Ltd.*), Cutex lipsticks, No. , 21s. doz., tax 100 per cent., i.r.p. 6d.; refills, No. 275R, 12s. doz., tax per cent., i.r.p. 2s. 6d. *Herts Pharmaceuticals, Ltd.*, Nivea me, No. 364, 6s. 6d. doz., tax 100 per t., i.r.p. 1s. 4d.; No. 365, 13s. doz., 100 per cent., i.r.p. 2s. 8d.

Additions to Protected List (Part 1). —*John Bell, Hills & Lucas, Ltd.*, Sea and travel sickness remedy, 8's, 9s. doz., 1s. 3d.; 12's, 13s. doz., 1s. 9d. (exempt from tax).

Alterations to Protected List (Part 1). —*Shadforth, Ltd.*, Revised prices, May 1, White Lions antacid tablets, 6s. doz., tax 33⅓ per cent., inclusive retail price 11d.; 12s. doz., tax 33⅓ per cent., i.r.p. 1s. 10d.; 22s. doz., tax 33⅓ per cent., i.r.p. 3s. 4½d. Blue Lions tonic, 12s. doz., tax 33⅓ per cent., i.r.p. 1s. 10d.; 20s. doz., tax 33⅓ per cent., i.r.p. 3s. 1d.; 36s. doz., tax 33⅓ per cent., i.r.p. 5s. 6d., Shadforters diuretic tablets, 14s. doz., tax 33⅓ per cent., i.r.p. 2s. 2d.; 24s. doz., tax 33⅓ per cent., i.r.p. 3s. 8d.; 38s. doz., tax 33⅓ per cent., i.r.p. 5s. 10d. Shadphos nerve tonic, 12s. doz., tax 33⅓ per cent., i.r.p. 1s. 10d.; 20s. doz., tax 33⅓ per cent., i.r.p. 3s. 1d.; 36s. doz., tax 33⅓ per cent., i.r.p. 5s. 6d. Neverill old salts, 12s. doz., tax 33⅓ per cent., i.r.p. 1s. 10d. Shadspro analgesic compound, 10s. 8d. doz., tax 33⅓ per cent., i.r.p. 1s. 8d.; 18s. 8d. doz., tax 33⅓ per cent., i.r.p. 2s. 10½d.; 32s. doz., tax 33⅓ per cent., i.r.p. 4s. 11d.

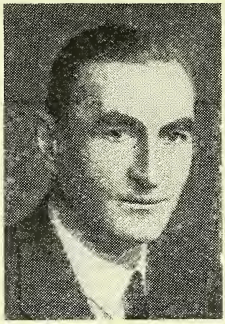
TRADE LITERATURE

Bibliography of Vitamin B_{12}.—Glaxo Laboratories, Ltd., Greenford, Middlesex, have published the third edition of a duplicated bibliography of published reports on vitamin B_{12}. Short abstracts of thirty papers each are given in laboratory and clinical sections.

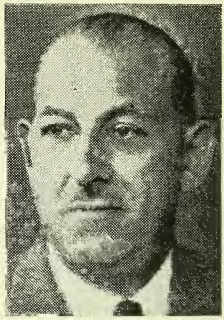
Microscope-stain Techniques.—Under the title "Microscopic Staining Techniques, No. 1," Edward Gurr, Ltd., 108 Waterford Road, Walham Green, Fulham, London, S.W.6, have issued a twenty-eight-page booklet giving techniques for staining blood, malarial parasites, trypanosomes, various types of fats, plant and animal diseases, etc., as well as methods of staining vaginal smears for the demonstration of malignant cells. The book is the first of a series written by Mr. Edward Gurr, F.R.I.C., F.R.M.S., in answer to requests for information on the subject. Copies may be obtained from the company, price 1s. 6d. post free. "Microscope Staining Techniques, No. 2," also available (as a 64-p. booklet), price 3s. 6d., includes valuable tables of refractive indices, specific gravities and solubilities of reagents, formulas of staining solutions and fixatives, notes on the properties of stains, etc.

DINNER AND ANNUAL MEETING OF THE A.B.P.I

THE annual dinner of the Association of British Pharmaceutical Industry, held in London on April 19, brought together nearly 200 members of the Association, many distinguished guests, and the Press. The toast list was short, leaving opportunity afterwards for guests to meet friends at other tables — a process made easy by the full "directory" of tables and firms presented to each guest on arrival. MR. R. L. TAYLOR (president of the Association) proposed the loyal toast from the chair.

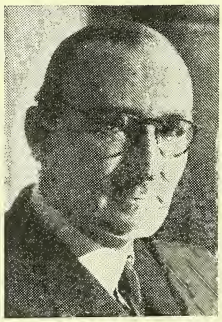


Mr. Hugh N. Linstead

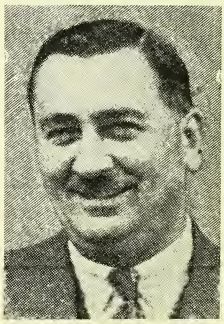


Mr. R. L. Taylor

"The Pharmaceutical Industry" was proposed by MR. HUGH N. LINSTEAD, O.B.E., Ph.C., M.P. Mr. Linstead said that all would want to congratulate the Association on the great progress it had made during the previous twelve months, particularly since the amalgamation between the Association and the Pharmaceutical Export Group. That had led to a unification of the industry which was of immense benefit both to itself and to the country. The new Association was faced with as large a group of problems as any industrial group —taxation (especially purchase tax), resale price maintenance, bulk buying in hospitals, the prescribing of proprietaries, and the revival of German competition. In addition the industry was asked to expand exports. That, indeed, might prove its salvation. The heart and soul of any pharmaceutical industry was proprietary medicines, and they were also the heart and soul of exports.



Mr. C. L. Saul



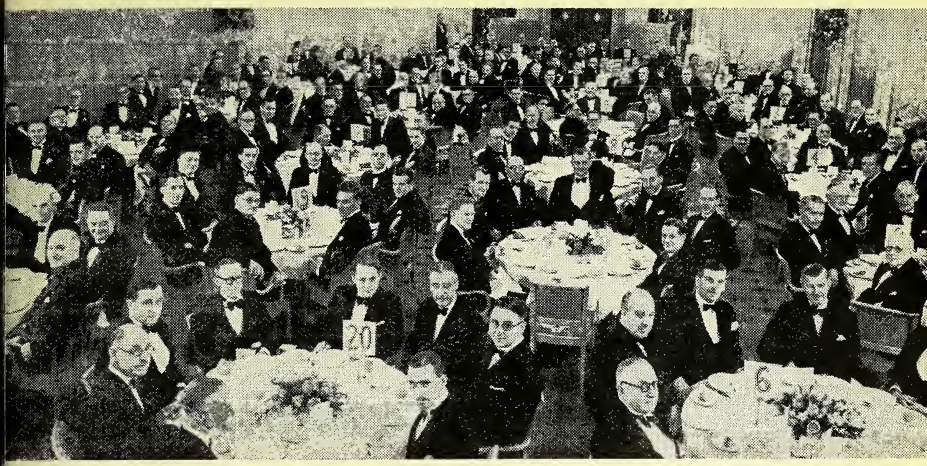
Mr. J. Davidson Pratt

Mr. Linstead said his own contribution to current thought in the industry would be that there should be a true partnershi between industry and the Ministries, an an early move should be made to brin their own organisation and the Ministry Health into association with one anothe Since the pharmaceutical industry was necessity to the country, it should be possib to get collaboratio and an approac to the Minist over work directe at maintaining i high standar should be rewar ing.

THE PRESIDEN who responde modestly claim that he was "t problem of t Association." T industry, he d clared, had succes fully performed heavy task wi ability and distin tion—a task n made lighter differences betwe Government d partments. Its mer bers recognised t need to expo under names world-wide repu and excellence, f people abroa wanted the nam they knew, and n "some dreary N. number." At hom the State was t industry's biggest customer, and had urged upon the Government that power over the industry could be us wisely or ill. He felt—they all felt— th the industry had done a good job in su porting the National Health Service— Service which, whatever its shortcoming was a wonder to the world. The indust would not let it down.

On a personal note, Mr. Taylor "cor plained" good-humouredly, of a "scur lous" caricature of himself that had be circulated by a member of the Associati concerning his recent visit to Switzerlan

The president concluded with a judicio



General view of some of the diners.

eference to the first lady member of the ssociation's Council—Miss I. L. Townsnd (Glaxo Laboratories, Ltd.).

The "Guests," was proposed by Mr. C. . Saul, B.A., who made an appropriate eference to each by name. Among hem were representatives of the Ministry f Health, Board of Trade, Customs and xcise, Pharmaceutical Society, National harmaceutical Union, the Association of ritish Chemical Manufacturers, British Medical Association and Pharmacopœia Commission, together with Mr. Leonard ong (president of the Pharmaceutical Soiety of Victoria), and the Press.

On behalf of the guests Mr. Davidson ratt responded. He would speak he aid, quantitatively about the industry. Its mports in the most recent year had been alued at £1½ millions—little more than ne-third pre-war. Its exports were £18 illions, five times pre-war in value, twond-a-half times in volume. Its present roduction was at the rate of £32 millions er annum, and development schemes in peration would raise that figure to £56 illions. He concluded with a word or wo of high praise for the outgoing secreary, Mr. C. W. Robinson.

nnual Meeting

The annual meeting of the Association as held in London on the afternoon of pril 19, the president (Mr. R. L. Taylor) n the chair. There were present 120 repreentatives of seventy-seven member and ssociate-member firms. The annual report (see next page) and the accounts and balance sheet were adopted.

Mr. Geoffrey E. Howard (Howards & Sons, Ltd) was elected a member of the Council, and Mr. Stanley W. Whiffen, O.B.E., was elected an honorary member in recognition of the great services he had rendered to the Association. (Mr. Whiffen, who recently resigned from the Council on retirement from active management of Whiffen & Sons, Ltd., was a member of the committee that prepared the draft constitution and rules of the Wholesale Drug Trade Association, adopted on the formation of the Association in 1930. He had served on the Council continuously since 1933, was its chairman 1943-45, and was vice-chairman of the Pharmaceutical Export Group from its inception in 1940 until 1948). The meeting considered recent developments affecting the industry under the National Health Service, including the position of branded medical specialities. Emphasis was again laid on the interdependence of the home and export markets for such preparations, and on the fear that any generalised discrimination against them would react adversely upon the efforts of the industry to expand its exports. The Association is arranging for discussions with other bodies on the subject. Activities in promoting the expansion of exports to Canada were reviewed.

The President and members of the Association expressed appreciation of the

Some provincial and Scottish members of the Association of British Pharmaceutical Industry in London fo the annual meeting find time to relax. Group includes Messrs. P. Shields, T. A. Smith, T. Scholfield, A. N McNamara, F. Murray, J. H. Ramsay, T. W. Smith, G. Tasker, I. Rowland James, J. F. O'Hara, G. T Morson, W. N. Boorne, D. R. Mackie, L. M. Gibson, Graham Adams, J. F. Boucher, A. Tucker, K. J Golds, D. C. Wilson, R. Graham, R. Whitfield and H. W. Davies.

work of the secretary (Mr. C. W. Robinson), who retires from the service of the Association on May 31. MR. ROBINSON thanked members and staff for the active co-operation and friendship they had accorded him. THE VICE-PRESIDENT (Mr. J. C. Hanbury) proposed a vote of thanks to Mr. Taylor for his work as president during an onerous year, and especially for the notable part he had played in connection with the recent reorganisation and merger with the Pharmaceutical Export Group.

Twentieth Annual Report

The chief event of the year was the revision of the structure and rules to bring about its amalgamation with the Pharmaceutical Export Group. Reorganisation proposals were approved by a half-yearly general meeting on October 6, 1949, and duly confirmed at a special general meeting on November 17.

The Council met nine times during the period under review, the general intention being that, following reorganisation of the Association, meetings of Council should be held quarterly, and meetings of the Home and Export Executives intermediately at more frequent intervals. There were 157 members and twenty-three associate members at the end of the Association year. Mr. James Michael Kirkness, B.A., was appointed assistant secretary (export) during the year. The Association has been in touch with the Ministry of Health about the inclusion in tender forms issued by hospital management committees of conditions considered either unnecessary or unreasonable. The Association was represented by the secretary at the thirteenth general assembly of the International Pharmaceutical Federation held in Amsterdam. Among the business that came before the Assembly was a resolution advocating extension of control over proprietary medicines to all countries on the basis of registration and compulsory approval of each. As a result of action by the secretary it had been agreed that action should be deferred. It had later been agreed that the Pharmaceutical Society of Great Britain should be asked to support the following proposals before the Bureau of the Federation:—

(1) That all products and preparations in the International Pharmacopœia be admitted without registration on payment of a reasonable fee to all countries that subscribe to the International Pharmaceutical Federation.

(2) That when samples of and information about a drug or preparation are submitted, resulting in its registration by any subscribing country member of the International Pharmaceutical Federation, the same drug or preparation be accepted in all other countries who are members of the Federation without further examination or formality, on payment of the appropriate fee.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on April 14, the president (Mr. P. R. W. Shinner) in the chair. Also present were Messrs. H. W. Gamble (vice-president), W. H. Boyd (treasurer), J. Abernethy, Walter C. Tate, J. McGregor, W. P. Ewart, H. H. Cowzer, J.P., J. Irwin, H. F. Moore and S. E. Campbell and the secretary (Mr. W. Gorman). Apologies for absence were received from Messrs. H. P. Crossin, James McDowell, J. R. Moore, J.P., and Professor E. B. C. Mayrs, M.D.

Letters were received from Mrs. Esler thanking the Council for their message of sympathy on the death of her husband; Mr. T. H. Hamilton (secretary, Associates' section of the Londonderry Chemists' Association) thanking the Council for considering his request that certain parts of the Preliminary Scientific examination should be held in Londonderry; and from Mr. H. Stout, Edinburgh (examiner in pharmacy, pharmacognosy, and forensic pharmacy) who intimated that he would be unable to attend the next examination in June. It was agreed to write to the Minister of Home Affairs asking for the approval of the appointment of Mr. G. Perrins, for that examination only.

The report from the Education Committee, which was approved, included a recommendation that certificates of apprenticeship should be granted to J. E. Jenkins, A. Martin, Kathleen G. O'Neill, J. J. Sharkey, J. T. Twomey.

Discussions With Ministry

THE PRESIDENT, VICE-PRESIDENT, TREASURER, MR. J. MCGREGOR, and the SECRETARY reported on their discussions with the Ministry of Home Affairs officials on April . Included in the report was the result of discussions on the composition of the proposed Poisons Board, education, powers of the Statutory Committee, and the ability of future limited companies to carry on the business of pharmaceutical chemists.

The question of granting scholarships to pharmaceutical students was referred to the Education Committee; in the meantime notice of motion was received from Mr. J. McGregor that a sum not exceeding £100 per annum should be set aside for scholarships.

Two offences under the Shops Acts, Northern Ireland, 1946, and under the Dangerous Drugs Act were referred to the Statutory Committee. The purchase of certain books for the Society's library was approved.

Presentation to Secretary

At the close of the meeting MR. MOORE, on behalf of the Council, presented to the secretary a canteen of cutlery as a token of their esteem on the occasion of his marriage. THE PRESIDENT welcomed Mr. J. Caldwell (president, Ulster Chemists' Association) and Miss Strahan (secretary, U.C.A.), who tendered the good wishes of all their members to Mr. Gorman. MR. CALDWELL then presented a cheque from the U.C.A. and local pharmaceutical committees and told those present of the good will which existed between Mr. Gorman and the various associations. MESSRS. TATE, ABERNETHY, GAMBLE, BOYD, COWZER, MCGREGOR, CAMPBELL and MISS STRAHAN also spoke. MR. GORMAN thanked the members of Council for the beautiful and useful gift, and Mr. Caldwell for the handsome cheque.

HOME FROM SWITZERLAND

Caricature referred to by the president of the Association of British Pharmaceutical Industry in his address at the annual meeting (see p. 530).

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Hall's cinnamon and willow influenza tablets
Hellige hæmoglobinometers
Nacconal
Touch and Go toothache solution
Apecs powder

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fficial organ of The Pharmaceutical ciety of Ireland, The Pharmaceutical ciety of Northern Ireland, The Chemists' d Druggists' Society of Ireland and of her Chemists' Societies in the Empire.
)L. CLIII APRIL 29, 1950 No. 3662

An Attack Below the Belt

CTION taken by the Minister of Health bring about (no doubt under pressure ›m the Treasury) economies in the cost the pharmaceutical services under H.S. sets a high-handed precedent that nnot be too roundly condemned or too ongly resisted. By bitter experience on previous occasion chemists learned that e Minister is able to make an alteration after consultation" with, but in direct stility to, the views of the Central N.H.S. ontractors') Committee. They are now learn, it seems, a more advanced lesson that, whatever the Terms of Service may y, the Minister can first make a change the remuneration and only then consult e contractors.

The Minister has decreed an immediate t from 33 to 16 per cent (from May 1) the addition allowed as oncost to the ice paid for drugs. He has conceded that, agreement is reached by the Whitley uncil on a different percentage, that rcentage shall take effect as from May 1, d that partial retreat in itself represents victory for the contractors, who have ken their stand on the point that the gotiating machinery must be utilised. e Minister's action is based on a logic faulty as his "assumptions" are unwarnted. The present rate of oncost, he ys, was settled on certain assumptions, e of which was that the total number prescriptions would be about 140 milns annually. If he made any such sumption in 1948 it did not come out the published records of the negotiations, hich were clearly directed at finding an equitable basis of pricing *per prescription.* Given a correct figure per unit, the number of units should logically make no difference, so far as the chemist contractor is concerned, or at most only a shading to offset any rounding-off to the nearest simple fraction in the unit figure. If the amount paid as oncost is then too great by reason of the volume of prescriptions, the way to put the matter right is by reducing them to the proper number before they ever get in the hands of the chemist. and not by reducing his payment for each.

The Minister claims that his calculations were upset because the number of prescriptions went up by x 1.4 (200 millions against 140 millions). Are we not entitled to ask why he should ever have assumed that the admission to benefit of the wives and children of former N.H.I. patients would increase the number of prescriptions by only x 1.4, when the increase in the number of patients could have been—and was by many—reliably estimated at nearer x 2.5?

Owing partly to increased wholesale prices, the oncost total has in the event gone up by a ratio higher than 1.4 Yet the Minister does not even admit that his original estimate, increased to that degree, should stand. He now argues that the oncost should be "at an annual rate substantially less than the estimated amount . . . scaled up to take account of the increased number of prescriptions." The figure he arrives at is, in fact, only greater by a factor of 1.2 (on his 1948 estimates) for the much greater number of prescriptions. So, as wholesale prices rise, oncost allowances, it seems, are to fall. It is not difficult to see who gains and who loses on that transaction.

But in point of fact the oncost could not have been based on any assumption of what N.H.S. totals would be, since it was conceded by the Minister in the concluding months of N.H.I. Mr. G. A. Mallinson (at that time secretary of the National Pharmaceutical Union), speaking at Ilford in March 1948 (*C. & D.*, 1948. I.338) said that "The Ministry had made several gestures of goodwill; one was the 30 per cent. oncost allowance on N.H.I. ingredient costs—an indication that the Minister would not be niggardly in paying

for a willing pharmaceutical service." The Minister and the public have had that willing service. No professional group under N.H.S. has been more co-operative than the chemists. The work has been done with acknowledged efficiency, and chemists have waited with a surprising degree of tolerance for much of their remuneration. They have suffered philosophically a reduction in the container allowance from 2½d. to 1½d. Any abuse of the Service has been by other sections of the community.

If the Minister turns niggardly he can no longer look to chemists for the same willing co-operation and efficient service. We do not say the oncost must remain constant whatever changes occur. We do say, most emphatically, that it should be changed only by the agreed machinery, and any present cut should not be of the order of the halving that is being carried out. Contractors are shortly to have the opportunity, through their representatives, of making known their reactions to this latest move. They must leave the Minister in no doubt that he has made an unjust and short-sighted decision.

Record Chemical Exports

The value of exports of chemicals, drugs, dyes, etc., in March reached a new record figure of £8,274,390, compared with £8,212,770 in January 1949, the previous highest figure, and £7,571,229 in March of that year. Drugs and medicines totalled £1,726,491, against £1,790,990, the record total of May 1949, and the peak figure of £1,756,256 in January of the current year. Exports of this section in March 1949 were valued at £1,678,753. Proprietary medicines in March totalled £400,227, against £534,706 in the same month a year ago. Quinine and its salts shipped overseas were valued at £27,539 (March 1949, £44,766) and aspirin at £45,556 (£38,889). Penicillin exports totalled 870,405 mega units, valued at £212,922 (compared with 449,625 mega units valued at £175,640 in March 1949). Ointments and liniments exports brought in £79,214 (£70,549) and various other medicines a total of £922,990 (£783,663). Disinfectants, insecticides, weed-killers, sheep and cattle dips, etc., were value at £250,193 (£249,463).

Exports of perfumery and toilet prepar tions (excluding perfumed spirits, essenti oils and soap) had a total value £367,913 against £433,747 in Marc 1949. To this section £90,927 (£63,95 was contributed by tooth-pastes, dental pr parations, etc., and £130,283 (£189,92 by cosmetic products. Exports of essenti oils were valued at £33,442, bringing th quarterly total to £182,370 (compare with £119,872 in the first quarter in 1949

Surgical and medical dressings, of var ous unspecified kinds, exported in Marc were valued at £56,549 (£82,574); cotto wools and gauze tissues were valued £48,336 (£48,575); and cotton bandag of all kinds at £29,219 (£22,605). Expor of adhesive bandages, plasters, etc., totall £83,177 (£55,892) while other druggis wares and surgical and medical dressin "not wholly of cotton" were valued £89,544 (£67,953).

Courses for Sales Assistants

A scheme for the vocational educati of employees engaged in retail distributi has been announced by the Retail Dist butors' Association, Inc. (which initiat discussions on the scheme some three yea ago) in co-operation with the Ministry Education. No direct provision is ma for distributive assistants from chemis shops, but the scheme is capable of bei adapted to them where the local dema warrants that course being taken. It w be administered for the Ministry by a co mittee representing employers, educatior bodies and the trade union concerne and will provide for six hours' attendar weekly at an approved technical colle for three years. A "National Retail D tribution Certificate" will be awarded students who pass the final examinati which will be set by the City and Gui of London Institute. The curriculum cludes English; accounts for retailers; ganisation of retail distribution (includi the principles of selling); and a subj of choice (display, social history, eleme of economics, law, or statistics). A "co modity" subject related to the studer own trade is also to be taken.

QUICK-REFERENCE GUIDE

TO THE CHEMICAL INDUSTRIES, CHEMISTS' SUPPLIES, SCIENTIFIC INSTRUMENTS AND RELATED SECTIONS OF THE

OVER 130 exhibitors in the chemists' supplies, chemicals and ientific instrument indusies will be showing at e British Industries Fair, ondon, May 8-19. As preously, their stands will be tuated mainly on the ound floor in the Grand all at Olympia.

For the convenience of me and overseas buyers, I.F. information bureaux e being set up at the six ain rail termini in Lonon, and a free bus service to operate between lympia and Earls Court aving the Addison Road entrance of lympia every few minutes). At Olympia d Earls Court there are to be Overseas uyers' Clubs, and a number of buyers' staurants and bars will be available at ch section. A number of international sociations are extending facilities to overas buyers. They include the English peaking Union, Dartmouth House, Berkey Square, London, S.W.1, the Forum ub, Grosvenor Street, London, S.W.1, e Overseas League, St. James's, London, W.1, and the Royal Empire Society, orthumberland Avenue London, S.W.1. otarians will have a club at Earls Court. The King and Queen are to visit the rls Court section of the exhibition on ay 9, and Queen Mary is to visit the ympia section of the Fair on May 12. e Insitute of Export is organising an Export Gala at the Empress Hall, Earls Court, on May 12-13, 7 p.m. to 1 a.m. Tickets to cover admission, ball, cabaret and running buffet refreshments may be obtained from the Institute of Export, 149 Cromwell Road, London, S.W.7, price 30s. Members of the staff of THE CHEMIST AND DRUGGIST and its associated papers will welcome visitors to the Fair on stand D.11 at Olympia.

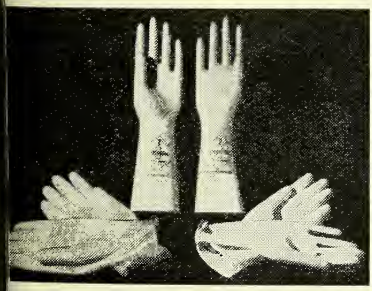
The Fair is open to the general public on May 13 and 17. Exhibitors include:

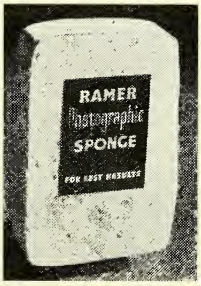
Abietsan Manufacturing Co., Ltd. (D.37).—A new perfume, Captive Heart, in small (approximately 1 dr.), hand-painted bottles. Flaroma orange blossom bath salts in glazed, hand-decorated pottery vases, etc.

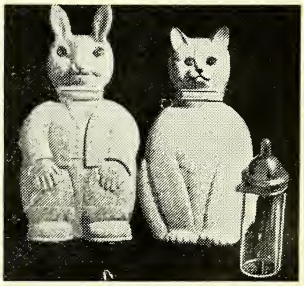
Accles & Pollock, Ltd. (C.62).—Applications of tubes for scientific and other instruments including double and single Bourdon coil tubes.

A. Adams Co., Ltd. (C.99).—Minex vertical photographic enlargers and possibly the latest models Minex de Luxe reflex cameras.

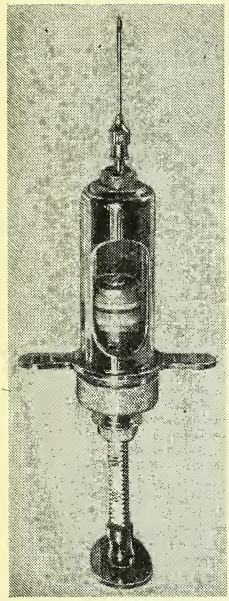
Addis, Ltd. (K.20).—Wisdom toothbrushes available in adult, junior and baby sizes, Nylon and bristle tooth-brushes, denture brushes nail brushes and hairbrushes, the Grippy nail brush.



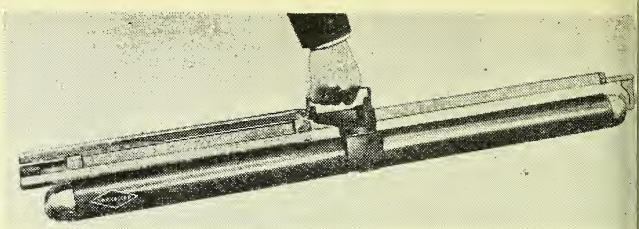




ber gloves (P. B. Cow & Co., Ltd.); photographic sponge (Ramer Chemical Co., Ltd.); nursery items in rubber (shown on the stand of Cannon Rubber Manufacturers, Ltd.).



Veterinary hypodermic syringe (Walter Gregory & Co., Ltd.).



Traveller projection screen for cinematography, etc., packed for carryi (shown on the stand of R. F. Hunter, Ltd.).

All-in-One Business Books, Ltd. (M.106).—A simplified book-keeping system which is self-checking and which enables a small trader to maintain daily records of all payments made and received. Figures can be proved each week quite simply.

Amber Pharmaceuticals, Ltd. (B.39). — Barbitone, calcium succinate, butobarbitone, cyclobarbitone, alkyl bromides, phenobarbitone and methyl iodide, etc.

Association of British Chemical Manuturers (B.38).—Inquiries will be answered and information supplied on British manufacturers of fine chemicals, disinfectants, insecticides, pharmaceutical chemicals and allied products.

Baird & Tatlock (London), Ltd. (C.57).—On a joint stand with other members of Scientific Exports (Great Britain), Ltd., B.T.L. metal unit laboratory furniture, the new B.T.L. self-balancing photo-electric recording absorptiometer, the new Preston density comparator, the Baragyro centrifuge, etc.

R. & J. Beck, Ltd. (C.13).—Microscopes, spectroscopes, medical, industrial and research photographic lenses.

H. G. Benwell & Co., Ltd. (K.6).—A complete range of shaving brushes suitable for use in all countries. It includes super, best and pure badger, in handles of ivory, Perspex and turned plastic, at prices to suit all pockets.

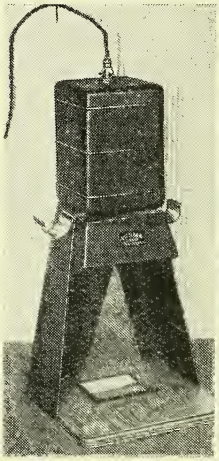
Berkefeld Filters & Water Softeners, Ltd. (Earls Court S.25).—Stoneware water filters, kieselguhr candles for dom tic and laboratory use, etc.

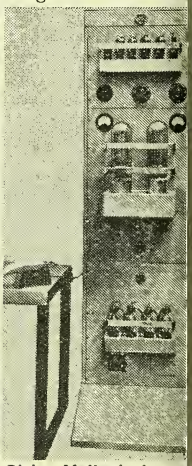
Betts & Co., Ltd. (D.46). — A n method of packing creams, liquids a semi-liquid products having an advanta over collapsible tubes. Collapsible me tubes, containers for dentifrice, cosmeti creams and similar preparations.

A. Boake, Roberts & Co., L (B.16, B.23).—Nearly 1,000 samples the company's chemical products for u in plastics, surface coatings, food, cosmeti soap, pharmaceutical, ink, polish, and d infectant industries.

Board of Trade (Olympia A.13, Ea Court O.18).—Information on the dev opment areas, Export Credits Guaran Department, Commercial Relations a Exports Department, Patent Office, Te nical Information and Documents Ur and other departments and services.

S. Brannan & Sons, Ltd. (C.22). Thermometers, including the Brann





Left: Purma large printer. Right: Mullard ultraso generator with emulsification tray.

inical thermometer and thermometers for orticulture, poultry, laboratory and other urposes.

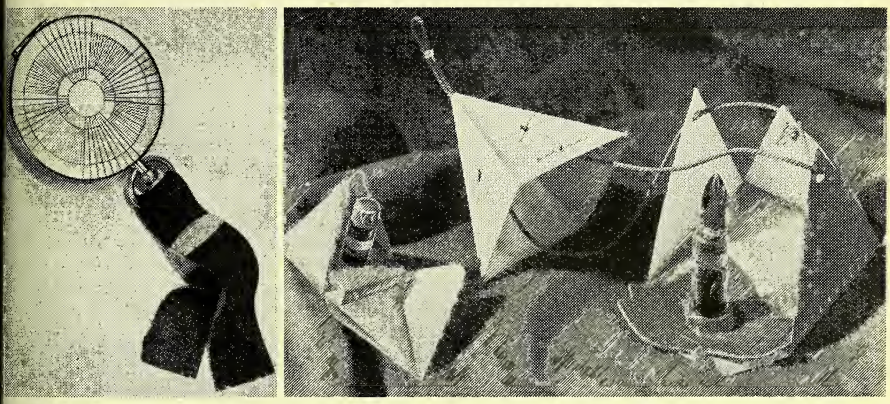
Britex (Scientific Instruments), Ltd. C.40).—Inspection magnifiers incorporing the new Aspheric plastic lens giving 2 or ×3 magnification, each with an exedingly wide field of view.

British Chemotheutic Products, Ltd. D.4.).—A range of tablets with rapid sintegration times (surpassing the limits id down by the British Pharmacopœia, 948), pills and lozenges, etc.

ammonia liquor, ammonium carbonates and bicarbonates, sodium sulphite, hexamine, etc.

W. J. Bush & Co., Ltd. (B.26).—Beta phenyl ethylamine, succinic acid, calcium succinate and various esters, a number of new perfume compounds including flower types such as lilac, lily of the valley and violet, and modern-type compounds; odour masks and deodorants.

Cannon Rubber Manufacturers, Ltd. (D.204).—Animal form hot water bottles, packed in coloured cartons that take to



eft: The Stratton Fob compact. Hand-engine turned, it opens with a press like a Hunter watch. Right: Two novelty packs of perfume by Delavelle (G.B.), Ltd.

British Cork Mills, Ltd. (B.11).—orkboard for low temperature insulation, ork flooring tiles, bungs and shives, and milar cork products.

British Heat Resisting Glass Co., Ltd. Earls Court S.5).—Heat-resisting glass or scientific apparatus, glass components or condenser work, etc.

British Optical & Precision Engineers, td. (C. 95-96).—An advanced model of e Kershaw Penguin roll film camera, tted with a synchronised shutter; a packge film product—Movie-Paks (one-reel ovies for showing on 16-mm. and 8-mm. ome projectors), etc.

British Rototherm, Ltd. (C.72).—Dial ermometers of the bi-metal, mercury in eel and vapour-pressure types.

British Vitamin Products, Ltd. (V.2).—The complete range of the company's omato juice cocktail series ASP alcoholic nd Britvic non-alcoholic cocktails.

Brotherton & Co., Ltd. (B.14).—odium hyposulphite, sulphur dioxide,

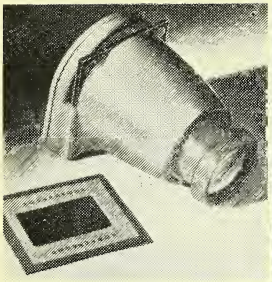
pieces and make up into Noah's arks; feeding teats and modern soothers, bathing caps, etc.

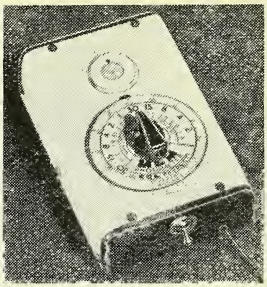
Carnegie Chemicals (Welwyn), Ltd. (B.3). — Alkaloids, synthetic chemicals, aloin, bismuth salts, caffeine, citrates, podophyllin resin, etc.

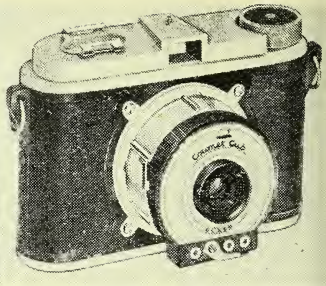
Chance Brothers, Ltd. (C.32).—Hysil laboratory glassware and tubing. An all-glass hypodermic syringe available with interchangeable parts, microscope cover glasses, and Flamemaster hand-torch.

Chilton Electric Products, Ltd. (J.117). — Buk dry-shaver (which cuts beards at 6,000 strokes a minute), etc.

Coalite and Chemical Products, Ltd. (B.35).—Mono-hydric (certain of which have not previously been available in bulk) and di-hydric phenols, including ortho cresol, dimethylphenols, trimethylphenols, hydroxy-hydrindenes, and methyl-ethyl-phenols, etc.







Jaffro viewer for transparencies. Weighs only 2 oz.; M.C.M. grease-spot enlarging photometer (beneat the grease-spot is a rheostat-controlled lamp); 1950 Coronet Cub camera.

P. B. Cow & Co., Ltd. (D.6 and R.17).—In the Chemists' Supplies section (Olympia), Li-Lo hot water bottles, douches, Travellette douche, baby pants, cot sheetings, sanitary briefs, finger stalls, finger cots and Hypergene surgeons' gloves. In the plastics section (Earls Court), industrial mouldings.

Cresswell Bros. Sponges (D.55).—A full range of sponges for industrial and toilet use, Reliance chamois leathers and Isil rubber mats.

J. H. Dallmeyer, Ltd. (C.97).—A wide range of lenses for photography including cinematography, industrial, medical and scientific photography. The exhibits will include the 8.5 cm. f/2 Dallac and 5 cm. f/1.9 Super Six anastigmat lenses, and the 13.5 cm. f/4.5 Dalrac anastigmat lens.

A. De St. Dalmas & Co., Ltd. (D.19).—Wound dressing that enables the bandage to be drawn painlessly from the wound without disturbing the freshly-formed tissue. Cremonet, tulle gras dressing, Dalzoflex bandages and strappings, P25G, and other pharmaceutical preparations.

A. C. Daniels & Co., Ltd. (C.11).—Surgical instruments, hypodermic syringes and needles, hospital, theatre and ward furniture, etc.

Dawe Instruments, Ltd. (C.18).—A new electronic dental camera, stroboscopes, etc.

Delavelle (G.B.), Ltd. (D.36).—The company's well-known perfumes and cosmetics, two speciality packs of perfume which have been successful in overseas markets:—No. 442 plastic heart container for either the Blue Orchid perfume or Devon Violets, and the No. 6002 By Candlelight perfume in a glass and plasti candlestick.

Dendix Brushes, Ltd. (K.22).—Dendix industrial brushes, and a new rang of domestic and toilet brushes.

The Distillers Co., Ltd. (Industria Alcohol and Biochemical Departments and The Methylating Co., Ltd. (B.17).—Solvents, acetic acid, anhydride and deri vatives, crystalline penicillin G (sodiun and potassium salts), crystalline penicilli G procaine salt, and other antibiotic pre parations.

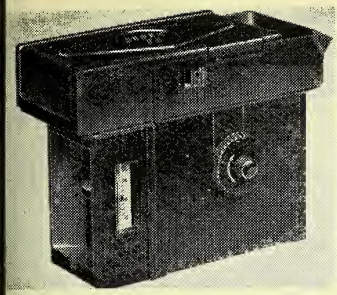
Dols' Volatalise Flannel, Ltd. (D.7).—Dols' flannel (impregnated with an anal gesic fluid), Dols' rub, a product introduce in 1949 (available in bottles, each packe in an attractive red and white carton).

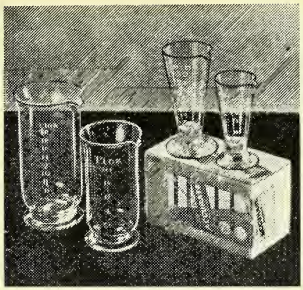
Dufay-Chromex, Ltd. (C.107).—195 models of Coronet cameras—the Cu miniature, D.20 synchronised box and th Twelve—20 box, new colour film for stri film and cinematograph publicity.

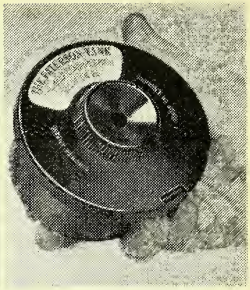
Dunlop Rubber Co., Ltd. (D.20, an (Earls Court) X.47).—Rubber cushion ing for hospitals, household rubber gloves hot water bottles, air cushions and beds jaconettes and batistes, etc.

William Edge & Sons, Ltd. (B.34)—Drummer and Jiffy dyes, laundry blues Movol ironmould remover and Drumme pine disinfectant. Roberts Croupline, Ltd. will also show on the stand a range o medical and toilet preparations including Croupline cough syrup, Fam-Lax laxative tablets, pine vapour rub, etc., and toilet preparations.

W. Edwards & Co. (London), Ltd. (C.56).—High vacuum rotary and diffusion pumps, measuring equipment and accessories, etc.







ssex 35 daylight developing tank (it develops exposed film and leaves unexposed remainder in cassette), nd Nebro measures for dark-room use (Neville Brown & Co., Ltd.); Paterson 35 mm. developing tank.

H. J. Elliott, Ltd. (C.29).—E-Mil Gold-line and Green-line laboratory glassware and chemical thermometers, including a new type of chemical thermometer.

Energen Foods Co., Ltd. (Earls Court V.26).—Dietetic high-protein, low-starch cereals and biscuits. Sugarless chocolate, jams, marmalades, etc.

Evans Electroselenium, Ltd. (C.50). The N.C.B. photometer designed to measure low light intensities; the G.P. photometer for higher light intensities; the P.R.U. densitometer for measuring the optical density of stains of filter paper; etc.

Eylure, Ltd. (D.50).—For the first time at the B.I.F., artificial eyelashes, for day or evening wear, in several natural shades complete with fixative; artificial fingernails, a powder brush for removing surplus powder, etc.

Federation of British Industries (A.1). — Information concerning the organisation and its branches throughout Britain.

Fle[illegible] Metal Co., Ltd. (D.45).—Collapsi[illegible] tubes in all sizes, tubes with special no[illegible]s for injection through the teat in mastitis in cows, etc.

Florogen, Ltd. (D.5).—Floral perfumes, "frozen" eau-de-Cologne, turtle oil cream, non-alcoholic perfumes for overseas markets, etc.

Freeder Bros. Paper Mills (M.18).—Satino, Sylvo, Satinette toilet papers, Florine handkerchief tissues.

The Gardner Co. (London), Ltd. (D.18).—The Atomist series of medical throat and n[illegible]al sprays, and disinfectant sprays, and an e[illegible]clusive range of perfume sprays in modern de[illegible]gns.

W. & J. George & Becker, Ltd. (C.61).—A new aperiodic balance having a capacity of 200 gm. and sensitive to 0.1 mgm. (weights up to 100 gm. are applied automatically by a weight change mechanism for which a patent has been applied for), Nivoc anti-vibration table; a new Nivoc filter pump, etc.

Gillette Industries, Ltd. (J.127).—Gillette, Valet, 7 o'clock, Nacet razor blades and shaving accessories. Toni home permanent wave.

Gnome Photographic Products, Ltd. (C.108).—Pixie, Baby Pixie, Pixieflex cameras, enlargers, developing tanks, etc.

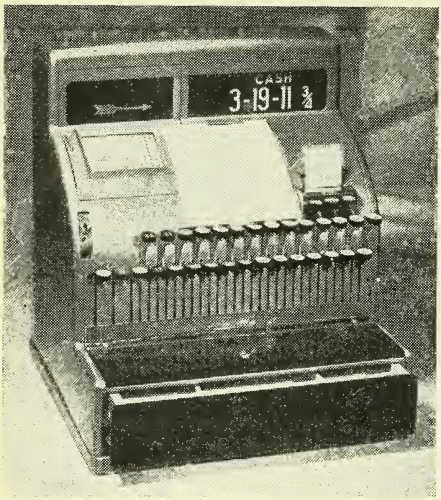
Graesser Salicylates, Ltd. (B.28).—The various salicylates and allied products in which the company specialise, including morpholine salicylate, newly introduced to Britain.

Harry Green, Ltd. (D.39).—A range of soaps which can be supplied to overseas buyers requiring own-name items, shampoos, cosmetics and perfumery requisites.

Walter Gregory & Co., Ltd. (B.4.).—A veterinary self-adhesive bandage that will not slip and only sticks to itself, veterinary drenches, ointments, pessaries, blisters, insecticides, sheep dips, antiseptics, etc.; a tetra-alkylammonium bromide disinfectant, claimed to resist the development of the fungus that causes diaper rash in babies; a heavy-duty hypodermic veterinary syringe, etc..

Edward Gurr, Ltd. (B.6.).—A range of microscopical stains, biological reagents, and water soluble indicators. Photographic and medicinal dies.

Hanovia, Ltd. (C.45). — Ultra-violet radiation equipment for scientific, medical, and technological purposes, etc.



A new cash-register (National Cash Register Co.)

Harbutt's Plasticine, Ltd. (N.170).—Sealing waxes including a special grade for chemists' use; fibrous Plasticine for ear plugs, etc.

Herts Pharmaceuticals, Ltd. (D.29).—Nivea creme, skin oil and toilet preparations. Sleek plastic adhesive strapping. Paramisan sodium, etc.

Hilger & Watts, Ltd. (Watts Division) (C.58).—A portable microscope built on the unit principle. By adding units the instrument can be transformed from a simple to a measuring microscope.

Hindes, Ltd. (K.16).—The reintroduced Very brush, the Hindes Tinglow body friction brush comprising a sponge and brush (made with silvery white bristles).

Howards & Sons, Ltd. (B.15).—Bromides, iodides, lactates, quinine tablets, thymols, technical chemicals, solvents, etc.

R. F. Hunter, Ltd. (C.94).—Photographic equipment, including Purma large printer for Purma camera negatives, a new 35 mm. developing tank, etc.

Imperial Chemical (Pharmaceuticals), Ltd. (B.32).—Avlosulfon (diaminodiphenylsulphone), for use in the treatment of leprosy. Trilene — an inhalational anæsthetic and analgesic; Kemithal—an intravenous anæsthetic; Sulphamezathine; Antrycide; Anavenol—a new anæsthetic for horses, etc.; penicillin preparations.

Innoxa (England), Ltd. (D.35).—Barrier creams, including BQN.1.A, which will resist acids and alkalis and abrasive action. Barrier creams, Innoxa 51 and 71 designed to meet the requirements of the housewife.

Jarrett, Rainsford & Laughton, Ltd. (L.132).—A range of the Stratton powder compacts, hand-engine turned, with lacquer and pictorials on silk and metal. The Stratton Fob compact which opens like a hunter watch (picture, p. 539).

Johnson & Jorgensen Flint Glass, Ltd. (C.74).—Containers from glass tubing including ampoules for liquid and powders. Insulin, penicillin and vaccine vials, etc.

Johnsons of Hendon, Ltd. (B.27).—Photographic chemicals for industrial, x-ray, commercial, and amateur use.

Kaylene, Ltd. (B.5).—Trichloracetic acid and its derivatives, e.g., its sodium salt, which is used as a selective herbicide for couch grass. Methyl ester of dichloracetic acid (supplied as an intermediate in the preparation of chloramphenicol), pharmaceutical chemicals, antacids, absorbents, emulsions, etc.

Kemball, Bishop & Co., Ltd. (B.10).—Tartaric, citric and itaconic acids, cream of tartar, sodium potassium tartrate, lithium salts calcium gluconate, dihydroxyacetone (Dimer), etc.

G. B. Kent & Sons, Ltd. (K.11).—New brushes for industrial purposes, a tooth-brush of special design and texture. Allure perfume hair brush, etc.

Lankro Chemicals, Ltd. (B.31). — A new cationic detergent useful in cleansing hospitals, dairies, restaurants, etc.; anti-froth compounds.

Laporte Chemicals, Ltd. (B.2).—Hydrogen peroxide, sodium percarbonate, sodium perborate, barium salts, sulphated fatty alcohols.

Leslie Marks & Co., Ltd. (D.34).—Marksman brand sponges for toilet, bath and surgical purposes. Marksman tinted sponges in pastel shades.

Manesty Machines, Ltd. (D.12).—Rotary and single-stroke tablet machines, including bench models, a prototype stainless steel mixer, Rotorgran granulator.

Marchon Products, Ltd. (B.29).—A range of primary alkyl sulphates (Empicol brand) of disclosed composition, lauryl

lphates, the Nansa range of spray-dried, kyl aryl sulphonates in the form of dust-ee bead-type powders.

Medical Bottle Supplies, Ltd. (C.65). Scientific, surgical, medical, laboratory id lamp-blown glassware, etc.

Monsanto Chemicals, Ltd. (B.1).—gricultural chemicals, some of which are ing manufactured for the first time in itain, including 2, 4-D weed-killer, Niran secticide (94 per cent. parathion), Meth-n and Thiurad fungicides, Santobrite and ntophen-20 contact herbicides.

Morley Rogers (Feedrite), Ltd. 0.52).—Feedrite baby feeder, anti-cholic ats, spare bottles, thermal heat-resisting ds, etc.

National Cash Register Co. (F.4 d F.24).—A range of cash and credit ntrol equipment for use in retail shops.

National Union of Manufacturers. .15).—Information office for buyers d manufacturers.

Neville Brown & Co., Ltd. (C.105).—dis enlargers, etc., Nebro developing nks, exposure meters, Pelcomat enlargers, shgun, etc.

Newton, Chambers & Co., Ltd. (B.7). Disinfectant and insecticidal fluids and wders, antiseptic toilet rolls, etc.

North British Rubber Co., Ltd. (D.22). North British hot water bottles, water-oof sheetings, water beds, spatulas, sur-al tubing, etc.

Ossicaide (C.67). — Hearing aid imed to be the world's smallest, capable being hidden under a coat lapel.

Oxirane, Ltd. (B.31).—Ethylene oxide emicals, glycol- and di-glycol ethers arketed under the names of Oxitol and oxitol, respectively). Mono-, di- and ethanolamines.

Pest Control (U.K.), Ltd. (B.49). Weed killers for corn and grass, systemic ecticides, etc.

Photax (London), Ltd. (C.104).—A nprehensive range of photographic filter lders, lens hoods and caps, lighting uipment, dark room accessories, etc.

Potter & Clarke, Ltd. (B.20).—The mpany's wide range of galenicals and e chemicals, including iodides, citrates d iron salts, soft soaps, essential oils, lorophyll, and a range of extracts, fluid tracts, tinctures, ointments and extracts o-tinctures, etc.

Potter & Moore, Ltd. (D.38).—The company's Mitcham lavender water in its modern presentation, a range of high-quality toilet preparations, complexion and shaving soaps, and a new series of English floral perfumes.

The Pullin Optical Co., Ltd. (C.92).—A new enlarger for 35 mm. and $2\frac{1}{4}$ in. x $2\frac{1}{4}$ in. films, exposure meters, photographic lenses, *x*-ray film projectors, etc.

Purma Cameras, Ltd. (C.94).—Cameras and photographic apparatus.

Quickfit & Quartz, Ltd. (C.87).—Chemical plant and laboratory apparatus with interchangeable joints which replace a system of corks and bent tubing.

R. W. P. Pharmacal Products, Ltd. (D.24).—First-aid cabinets for use in factories, institutions, schools, etc.,

Ramer Chemical Co., Ltd. (D.10).—Bath, toilet and cosmetic sponges, photographic sponges, etc.

Rejafix, Ltd. (F.105).—The company's latest combined automatic ampoule (vial and tube) printing machine and continuous electric Lehr furnace, which will carry out continuous printing and firing-in of the company's special ceramic ink on glass containers.

Reliance Rubber Co., Ltd. (D.22).—Hot water bottles, bathing caps, syringes and other rubber goods.

W. J. Rendell, Ltd. (D.51).—Santron concentrate, a germicide presented in an entirely new form, vaginal suppositories for leucorrhœa caused by *Trichomonas vaginalis*, and other of the company's products.

Ronuk, Ltd. (D.53).—The original Ronuk sanitary wax floor polish, Ronuk furniture cream, Colron wood dye, etc.

Roy Aitken & Partners (M.68).—A plastic floating soap holder called Soapsub, designed for use and as a toy.

Rubber Latex, Ltd. (B.45).—Compounds for adhesives, dipping, can-sealing, anti-corrosion, etc.

Frank Sammeroff, Ltd. (D.9).—Frank's adhesive dressings, bulk finger dressings, dressing strips, bandages, cotton wool and lint in B.P.C. and hospital qualities.

Masson, Seeley & Co., Ltd. (F.100 and 0.36 Earls Court).—The latest Masseeley marking equipment for containers, etc.

St. Andrew Mills, Ltd. (M.25).—Popular toilet tissues (Andrex, Sanitan and

Androl). Camelia sanitary towels, cellulose wadding (bleached and non-bleached), etc.

Serv-I-Tor Brush Co., Ltd. (K.10).—Venus and Serv-I-Tor tooth, nail and hair brushes, etc.

William Sessions, Ltd. (D.40).—Self-adhesive labels, manufactured under licence from the American inventor, that require no moisture, heat or gum and adhere with only finger-tip pressure on difficult surfaces.

Shadforth, Ltd. (D.42).—The export range of Shadforth branded medicinal products (in modern and colourful style of packaging), etc.

Shell Chemical Manufacturing Co., Ltd. (B.22).—A large animated flow chart showing the manufacture of Teepol detergents and wetting agents will be the principal feature of the stand.

T. J. Smith & Nephew, Ltd. (D.27).—Gypsona plaster of Paris bandages. Elastoplast (known as Tensoplast outside the British Commonwealth) bandages, plasters and first-aid dressings.

Southern Film Services, Ltd. (C.73).—The Sofil Exhibitor portable, automatic unit for showing 16 mm. sound films up to 1,600 feet, in colour or monochrome, on its own large screen.

Sparklets, Ltd. (D.54).—Insecticides projector, dental sprays, resuscitators, carbon dioxide snow and other apparatus for medical, dental and veterinary use, also compressed gases in steel bulbs.

Peter Spence & Sons, Ltd. (B.41).—Alum, aluminium sulphate, activated alumina, aluminium hydroxide calcium carbonate, titanium salts, etc.

Spencer, Chapman & Messel, Ltd. (B.8).—Commercial and pure acids, including oleum, sulphuric, hydrochloric, battery and dipping acids.

Splendor, Ltd. (Earls Court, W.22). Sanitary towels, foot aids, pain-relieving tablets, toilet sundries, etc.

John & E. Sturge, Ltd. (B.42).—Precipitated calcium carbonate, citric acid, sodium potassium tartrate, ergosterol, erythritol, etc.

Surgical and Manicure Specialities, Ltd. (J.114).—Manicure sets in fine-quality leathers and hides, a new range of nail clippers and many new patterns and designs of nail and cuticle scissors.

Tintometer, Ltd. (C.63).—A *p*H testing outfit, covering the range 3.0-11.0 (in steps of 0.2). A re-designed model of th Lovibond comparator.

Tudor Accumulator Co., Ltd. (C.109—Batteries designed for emergency ligh ing in hospitals, office buildings, etc., i cluding the Tudor A1 Safetylyte set.

John Tye & Son, Ltd. (D.26).—Capsules, tablets, pills, ampoules, fi chemicals, etc., for medical and veterina purposes.

The United Sponge Co., Ltd. (D.30—Sponges and chamois leather, for don estic and industrial purposes.

Viscose Development Co., Lt (D.15).—A non-clogging dish mo moulded closures, small containers and i dustrial components, Spontex sponge.

Vogue Vanities, Ltd. (J.306).—Po der boxes in a variety of attractive a colourful designs.

Thomas Ward & Sons, Ltd. (J.124).—Safety razor sets and blades, toilet dres ing cases, etc.

Watford Chemical Co., Ltd. (B.43).—Promulsin alkaloids, insecticides, sulphan lamide derivatives, antibiotics, a new sy thetic caffeine built up from acetic ac Ammonium thioglycollate and thioglycoll acid, etc.

Whiffen & Sons, Ltd. (B.9).—Som of the company's alkaloids and fine chem cals. Qualified members of the staff wi be available to give information on th company's products.

Lewis Woolf, Ltd. (D.23).—Gri Tight infants' feeder units, includi brushes. Rubber feeding teats in fiftee shades, teething rings, hot water bottles a similar rubber goods.

Wray (Optical Works), Ltd. (C.17).—Photographic lenses, including the Sup series of anastigmats, the Lustrar series, colour corrected f/4.5 anastigmat partic larly designed as high-class camera lens and the f/3.5 Portrait anastigmats will al be featured.

G. H. Zeal, Ltd. (C.8).—Clinical a industrial thermometers, etc.

Zenobia, Ltd. (D.1).—Flower pe fumes, including Lily of the Valley, Dev Violet, Night Scented Stock, Gardeni Bean Blossom, and Sweet Pea, presente in the latest bottle designs. A new series hand-painted bottles depicting the flow which is contained in the perfume will b featured.

RECOMMENDED NEW POISONS

IE Home Office has issued a notice stat- that Statutory Instruments are being pared to give effect to recommendations de by the Poisons Board under which following changes will be made in the isons List and Rules:—

(1) *D. F. P. (Di-isopropyl-fluorophospho-te)* will be added to Part I of the Poisons t and included in the First and Seventh nedules to the Poisons Rules. The special elling requirements prescribed by the venth Schedule will apply to eyedrops as ll as to injection solutions.

(2) *Deca-, Hexa-, Penta-, etc., metho-m iodide* will be added to Part I of the isons List and included in the First and urth Schedules to the Poisons Rules. ey will be listed as "polymethylene bis-nethyl ammonium salts."

(3) *Antihistamine drugs* will be added Part I of the Poisons List and included the First and Fourth Schedules to the isons Rules. Exemption will be provided preparations intended for external ap-cation only.

(4) *Synthetic drugs.*

(a) The following drugs to which Part of the Dangerous Drugs Act, 1920, is rtly to be applied will be added to Part of the Poisons List and included in the st Schedule to the Poisons Rules:—

phaprodine (α - 4 - propionoxy - 4 - phe-nyl - 1 : 3 - dimethyl - 4 - piperidine) ts salts;

aprodine (β - 4 - propionoxy - 4 - phe-nyl - 1 : 3 - dimethyl - 4 - piperidine) ts salts;

droxypethidine (ethyl - 4 - *m* hydroxy - henyl - 1 - methylpiperidine - 4 - car-oxylate) its salts;

amidone (6 - dimethylamino - 4 : 4 liphenyl - 5 - methylhexan - 3 - one) its alts;

tobemidone (4 - propionyl - 4 - *m* - ydroxyphenyl - 1 - methylpiperidine) ts salts;

thadol (6 - dimethylamino - 4 : 4 di-henylheptan - 3 - ol) its salts;

thadyl acetate (6 - dimethylamino - 4 : diphenyl - 3 - heptylacetate) its salts;

(b) Part III of the Dangerous Drugs Act, 0, will also be applied to Phenadoxone, oison at present included in Part I of Poisons List and in the First and urth Schedules to the Poisons Rules der the description "6-morpholino-4 : 4 henylheptan-3-one; its salts." The name enadoxone and the present description l be adopted in Part I of the Poisons List and the First Schedule to the Poisons Rules. The reference in the Fourth Schedule will be deleted as no poison in that Schedule is also subject to control under the Dangerous Drugs Law.

(c) The British and American conventional form will be adopted in the Dangerous Drugs law for amidone, a poison included in Part I of the Poisons List and the First Schedule to the Poisons Rules. "Amidone (dl-2-dimethylamino-4 : 4 diphenylheptan-3-one) its salts" will accordingly be deleted from Part I of the Poisons List and the First Schedule to the Poisons Rules and replaced by "Amidone (6 - dimethylamino - 4 : 4 diphenylheptan-3-one) its salts."

(5) *Overage in Ampoules*

Rules 7 and 12 of the Poisons Rules will be amended to legalise the supply in ampoules of an additional quantity of a poison sufficient to permit the withdrawal and administration of the quantity ordered and the amount prescribed.

A PHARMACIST'S ANTHOLOGY

I LOVE thee, dearest, and thou lovest me.
Our mutual flame is like th' affinity
That doth exist between two simple bodies:
I am potassium to thine oxygen.
O would that I, my darling, were an acid,
A living acid—thou an alkali
Endowed with human sense—that, brought together,
We might both coalesce into one salt,
One homogeneous crystal. O that thou
Wert carbon, and myself were hydrogen;
We would unite to form olefiant gas,
Or common coal, or naphtha. Would to heaven
That I were phosphorus, and thou wert lime;
And we of lime composed a phosphuret.
I'd be content to be sulphuric acid,
So that thou might be soda; in that case
We should be Glauber's salt. Wert thou magnesia
Instead, we'd form that named from Epsom.
Couldst thou potassa be, I aqua fortis,
Our happy union should that compound form,
Nitrate of potash—otherwise saltpetre.
And thus our several natures sweetly blent,
We'd live and love together until death
Should decompose the fleshly "tertium quid,"
Leaving our souls to eternity
Amalgamated. Sweet, Thy name is Jones,
And mine is Johnson; wherefore should we not
Agree to form a Johnsonate of Jones?
We will. The day, the happy day is nigh,
When Johnson shall with beauteous Jones combine,
And form a compound new to modern science
That shall eclipse old Alchemy himself.

From anonymous verses in the "New Era," July 1874.

STUDENTS' ANNUAL CONFERENCE

THE eighth annual conference of the British Pharmaceutical Students' Association held in Cardiff, April 3-6 was attended also by students from Australia, New Zealand, Sweden, Finland and Eire.

Address to Conference

The students were welcomed by Dr. A. Harvey, Ph.D., B.Sc. (principal, Cardiff Technical College). DR. J. D. P. GRAHAM spoke on "Pharmacology at the Mid-century," summarising treatments from the beginning of the century. Afterwards students were guests of the Cardiff Pharmacists' Association. On the second day MR. R. H. KEMP, Ph.C. (assistant secretary, National Pharmaceutical Union) spoke on the work of the N.P.U. and its allied organisations and MR. R. V. LLOYD, B.Pharm., Ph.C. (head of the Welsh College of Pharmacy) on pharmaceutical education in Wales. Mr. Lloyd said that the problem today was whether all students should receive the same basic training or whether there should be, for some, a simpler and shorter course.

Reports by the executive of the Association were presented on April 5. They showed that four overseas conferences had been attended and that membership stood at over 500. The Association's first overseas tour was being arranged to Leiden at the end of July.

Resolutions Adopted

Resolutions were adopted urging that the Pharmaceutical Society should take powers under its proposed new charter to enforce standards of hygiene and equipment in pharmacies and use methods of registration and inspection to enforce them; that the Society should draw the attention of the lay Press to the dangers of recommending the public to use pharmaceutical preparations that might prove harmful unless taken under medical supervision; that the Society should recognise university examinations in forensic pharmacy; that students should be allowed to consult analytical tables and textbooks in the Intermediate and Chemist and Druggist practical chemistry examinations; that the staff side of the Whitley Council should continue to press for improvements in the salaries of hospital pharmacists and that, in the event of the Pharmaceutical Society ceasing its grant to the School of Pharmacy, the money should be used to institute additional scholarships.

Pharmaceutical education was the su ject of a symposium session, at which pape were read by Messrs. J. L. Livingston Glasgow; N. J. Baxter, New Zealan V. Gilbert, Australia; F. Gannon, Eir Miss A. Mohell, Finland; and Miss I Svensson, Sweden. DR. W. A. R. THO SON gave a lecture on "The Chemothera of Cancer." discussing the use of œstr gens, testosterone, urethane, nitrogen mu tard and allied compounds and of amin pterin in treatment.

Conference Dinner

At the conference dinner MISS E. BRA TED proposed the toast "The Pharmaceu cal Society." She thanked the Society f a gift of £100 to the Association duri the year, and promised that students wou work for the betterment of pharmac MISS M. A. BURR (a member of Counc replied congratulating the Association its rapid growth. MR. A. W. JONES pr posed "The Overseas Visitors," each whom replied in turn. The Finnish del gates presented Mr. S. J. Relph, Ph. (president, International Pharmaceutic Students' Federation and general secretar B.P.S.A.) with a Tenth Medal of Hono for Foreigners and an illuminated addr in recognition of his services to the cau of international pharmacy. Other speake included Messrs. J. A. Box, J. M. DAVIE and A. HAMILTON (president of the Ass ciation) who thanked the local students a Association for their support.

Brains Trust

On the final day of the conference M B J. THOMAS, M.P.S., D.B.A., spoke "Modern Pharmaceutical Developments Practice." Mr. Thomas subsequently to part in a "Brains Trust" with Miss Bu and Messrs. J. M. Davies and A. Hamilto Mr. Relph presiding. At the business se sion the new constitution of the Associ tion (making it an independent organis tion) was ratified, as was the constituti of the International Pharmaceutical St dents' Federation. It was decided to ado the motto "Service and Individual I tegrity" (translated into Latin) as a cre The following officers were elected:—*Pr sident,* Mr. G. P. Lewis, Cardiff; *Vice-pr* dent, Mr. J. E. Shinner (a founder-mer ber of the B.P.S.A.); *Treasurer,* Mr. J. Stanton, London; *International correspo dent,* Mr. R. S. Tonks; *General Secretar* Mr. J. A. Box, c/o Mrs. Dutton, 1 Longmoor Lane, Sandiacre, Notts,

FEDERATION OF BRITISH INDUSTRIES

the annual meeting of the Federation British Industries, held in London on ril 19, Sir Robert Sinclair, K.C.B., B.E., was unanimously elected *President* a second year. Sir Robert, who is a mber of the Dollar Exports Board, said t, although trading prospects with nada were promising, a quick increase in ect exports to the United States—ficient to pay for essential imports from U.S.—could not be expected. Various anisations were giving assistance in the ort drive to the United States, but suc- s must largely depend on the efforts of ividual firms. Co-operative action uld be pursued where entry of goods "blocked or hampered" by unreason- e difficulties from tariffs or the admin- ation of tariffs.

cent on Productivity

Britain was already employing all her ilable man-power. To increase com- itive power and to meet increased npetition in world markets reliance must placed, therefore, on greater produc- ty. The Federation had been co-opera- with American friends in the Anglo- erican Council of Productivity. Twenty- productivity teams had already been the United States, and another fifteen e in various stages of preparation. ere had been too little recognition of value of the work done for industry trade associations. In many fields such ociations had found scope for organised operative effort (research, exchange of nical information, and schemes of mutual). Another function of trade associations to ensure that any arrangements for price ntenance or control were designed to mote and not restrict efficiency. Any gestion that they were contrary to pub- interest should be cleared away.

At a Press conference on April 20, Sir rman Kipping (director-general of the eration) announced that, with the ction of their respective Councils, an ngagement to Render Mutual Aid" been agreed between the Federation the British Export Trade Research ganisation (B.E.T.R.O.). The collabora- , besides eliminating an overlapping of rt and function, that had hitherto ex- d between the two organisations, was nded as a positive move in improving constructive help available to British orters. B.E.T.R.O. would continue to be an independent overseas research body and, under the new arrangement, would be financed solely by industry through its membership and by firms using its services. It would receive a final payment from the Government in respect of the Board of Trade grant-in-aid, enjoyed for the past three-and-a-half years. Thereafter, no request for Government funds would be made. By the "engagement," the F.B.I. would promote wider use of B.E.T.R.O. for market survey and research work among members of the two organisations and, by being given facilities to use the services of the F.B.I. overseas representatives, B.E.T.R.O. would be able to arrange schemes of overseas market research at an economical cost for its own members, for F.B.I. members, and for exporters generally. B.E.T.R.O. would no longer handle export inquiries outside the field of market survey and research and which were part of the normal functions of the F.B.I., Board of Trade, and other organisations.

Sir Norman Kipping was visiting Toronto and New York with the primary object of inspecting and developing the F.B.I. offices there. Mr. Roger Falk, O.B.E., director-general of B.E.T.R.O., was also paying a visit to North America.

COMING EVENTS

Monday, May 1

West Kent Branch, Pharmaceutical Society, Central Library, Beckenham, at 8 p.m. Miss D. Murgatroyd, M.P.S., on "N.H.S. Prescription Pricing Problems."

Tuesday, May 2

North London Pharmaceutical Association and Branch, Beale's Restaurant, Holloway Road, London, N.7, at 7.45 p.m. Annual meeting and film show.

Thursday, May 4

Manchester and Salford Branch, National Pharmaceutical Union, Council Chamber, Houldsworth Hall, Deansgate, at 7.15 p.m. Annual meeting. Mr. H. E. Chapman, J.P., M.P.S., on "The Threat to Price Maintenance."

London Pharmacists' Branch, Association of Scientific Workers, 15 Half Moon Street, London, W.1, at 7 p.m. Business meeting.

Durham County Branch, Pharmaceutical Society, 59 Old Elvet, Durham City, at 7.30 p.m. Annual meeting.

Friday, May 5

South-west London Chemists' Association, A. J. Carpenter's Restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Annual meeting.

London Nursing Exhibition will be held at Seymour Hall, Seymour Place, London, W.1, October 23-27.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quanti ties of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex Street, W.C.2, April 26

TRADING in PHARMACEUTICAL and FINE CHEMICALS is up to normal levels for the time of the year in the home market, while exports, generally, have been moving well. A substantial inquiry is being received for SANTONIN from overseas, but it is understood that British makers are heavily committed and, in view of the current shortage of raw materials, are unable to accept further orders. Price movements have been confined to a small increase in CALAMINE following the recent rise in zinc metal prices. Demand for CRUDE DRUGS shows little improvement with the market, on the whole, steady. French GENTIAN on the spot has been marked up in price in keeping with higher costs of replacement from origin. Several small lots of Portuguese ERGOT are being offered but interest is slight. A few cases of Chinese rough round RHUBARB are available on the spot and high prices are reported paid for this material; supplies are in course of landing but are being delayed by the dock strike. The problem of the recently-arrived parcels of rhapontic rhubarb has been referred to arbitration. SPICES generally are quiet markets. GUMS and WAXES have attracted few buyers although, despite this lack of interest, prices have been well maintained. SHELLAC is easier on the spot but trading has been quiet. Brazilian MENTHOL took on a firmer tendency; supplies on the spot are rather short but should improve in the near future. as several small lots are afloat. Business in ESSENTIAL OILS has been small. It is thought the current level of prices, together with the shortage of good-quality oils, is responsible for the poor demand. Chinese ANISE is easier. Rather lower prices asked for PALMAROSA and Spanish CADE. It is understood that the authorities are contemplating the issue of licences for the importation of limited supplies of PEPPERMINT from Japan.

U.S. Drug and Chemical Report

New York, April 21

THE FINE CHEMICALS market has been comparatively quiet during the past week. The ANTIBIOTICS have been in good demand and seasonal chemicals, such as CITRIC ACID, TARTRATES, etc., are being requested in increasing quantities. Prices of refined GLYCERIN are expected to be maintained at present levels for some months; demand continues to be brisk. A stronger undertone is reported developing in the BOTANICAL DRUGS market because of the low stocks on hand and doubts about future supplies, both foreign and domestic. Although more labour is expected to be available for the gathering of domestic crops it is thought that price will not be lower than they were las year. On the spot, AGAR prices are un changed, but a firmer tone is reported fron origin. With substantial exports o SENEGA causing depletion of supplies, th market is showing increasing firmness Further sharp cuts have been reported i CARNAUBA WAX prices, reflecting barte transactions which by-pass the minimun export prices fixed by the Brazilia authorities. No. 1 yellow material is no procurable at 89 cents per lb., the No. N.C. at 75 cents, and the refined grade a 74 cents. ESSENTIAL OILS are in moderat demand but buyers generally appear t be limiting purchases to immediate re quirements. ANISE prices are expected t go down as a result of declining prices i the Far East. LIME is a firm marke SANDALWOOD is now quoted at $11.7 against a former price of $11.25 per lb.

Pharmaceutical Chemicals

AMMONIUM CHLORIDE. B.P. — Stead Makers quote 1-cwt. lots at 9½d. per lb.

CALAMINE. — Makers have increase prices by one penny per lb. B.P. qualit in 1-cwt. lots is now 1s. 10d. per lb.

CALCIFEROL.—1-kilo lots (in 25-gm. an poules) are quoted at 5s. 6d. per gm.

CALCIUM GLUCONATE.—Quantities of u wards of 3 cwt. are quoted at 3s. 6 per lb.; 1 cwt.-2 cwt., 3s. 7d. per lb smaller quantities up to 3s. 10d. per lb.

CALCIUM SUCCINATE. — Quotations a from 9s. 6d. to 12s. 6d. per lb., as to qua tity. SUCCINIC ACID is from 8s. 6d. 11s. 6d. per lb.

CHLORAMINE.—B.P. grade is from 2s. 5 to 2s. 9d. per lb. and 98 per cent. technic is 2s. 2½d. to 2s. 5d. per lb., according quantity.

CHLOROCRESOL.—Pharmaceutical quali is quoted at 4s. per lb. in 1-cwt. drums.

CHLOROFORM.—1-cwt. lots in winchester are now 3s. 2½d. per lb.; 56-lb., 3s. In drums, prices are 3s. 1d. and 3s. 1½ per lb., respectively.

CINCHOPHEN.—1-cwt. lots are quoted 23s. per lb., with smaller quantities to 30s. per lb.

COCAINE. — Current rates per oz. ar ALKALOID, CITRATE and SALICYLATE, b tles, ¼-oz., 89s.; ½-oz., 85s., 1-oz., 82s. 6 2-oz., 80s. 6d.; 4-oz., 79s. 3d.; 8-o 78s. 3d.; 16-oz., 75s. 3d.; tins, 25-o 73s. 9d. HYDROCHLORIDE, NITRATE a SULPHATE, bottles, ¼-oz., 79s.; ½-oz., 75s 1-oz., 72s. 6d.; 2-oz., 70s. 6d.; 4-o 69s. 3d.; 8-oz., 68s. 3d. 16-oz., 65s. 3 tins, 25-oz., 64s.

HEXAMINE. — B.P. is offered at from 8d. to 2s. per lb., as to quantity.

HEXOBARBITONE.—Quotations are in the ion of 77s. per lb. for small quantities.

LACTATES. — Current quotations are: LCIUM, 2s. 2½d. to 2s. 6½d.; CALCIUM IUM, 3s. 5d. to 3s. 9d. per lb.; LACTIC D, B.P., 3s. 3d. per lb. in carboys, 3s. 4½d. to 3s. 10d. in winchesters.

MAGNESIUM CARBONATE. — Heavy, B.P., 1-cwt. lots is quoted at 131s., and light, ., at 115s. 10d. per cwt.

STEARATES.—In 5-cwt. lots MAGNESIUM 263s. per cwt.; ZINC, B.P., 265s.; IUM, 236s. 6d.; and CALCIUM, 245s. wt. lots are 2s. 6d. per cwt. more than ve prices.

STRYCHNINE.—Makers' current rates per are as follows:—

ompound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
	s. d.	s. d.	s. d.
loid ...	6 2	6 0	5 10½
lphate ...	5 4	5 2	5 0½
rochloride	5 11	5 9	5 7½
ophosphite	9 8	9 6	9 4½
ate	5 11	5 9	5 7½
hate eutral powr No. 2) ...	4 11	4 9	4 7½
hate eutral crys- and powr)	5 6	5 4	5 2½

ULPHACETAMIDE. — Quotations are in on of 26s. to 30s. per lb. The SODIUM vative is 32s. 6d. to 36s. 6d. per lb.

ULPHANILAMIDE.—Makers' rates are as ows:—5-cwt. lots, 7s. 10d.; 1-cwt., 8s.; b., 8s. 3d.; 14-lb., 8s. 6d.; 7-lb., 9s. lb.

ULPHOCARBOLATES.—SODIUM PHENOLSULNATE, B.P.C. (powder or crystal) is 3s. 8d. per lb. in 28-lb. lots; 7-lb., 4s. lb. ZINC, B.P.C., is 3s. 4d. per lb. (28-; 7-lb., 3s. 8d. per lb.

ULPHONAL.—Makers quote 44s. to 53s. lb., as to quantity.

ULPHUR.—PRECIPITATED, B.P., in mini- 10-20-cwt. lots, is quoted at 90s. per , packed in free casks.

ANNIC ACID. — Current quotations for , levis, are from 8s. 6d. per lb.

ARTARIC ACID B.P. — British makers' ent scales are:—10 cwt. and over, .; 5-9 cwt., 172s.; 2-4 cwt., 174s.; 1 176s. per cwt., delivered.

HEOBROMINE. — Makers' prices are as ws:—ALKALOID, B.P.C., is from 37s. wt. lots) to 39s. (7-lb.) per lb. CAL- SALICYLATE and SODIUM SALICYLATE, , are 21s. 6d. to 23s. 6d. per lb. SODIUM ZOATE is 23s. to 25s. per lb.

THYMOL, B.P.—Makers' prices are from 19s. 3d. to 20s. 3d. per lb., as to quantity.

ZINC OXIDE.—Prices rose on April 20 by £3 10s. per ton. B.P. is now £102 per ton, in 2-ton lots, delivered.

Crude Drugs

AGAR.—Supplies of Kobé No. 1 on the spot are offered at from 9s. 6d. to 10s. per lb.; in rather better demand.

ANTIMONY.—Prices for metal are: 99.6 per cent. regulus, £170; 99 per cent., £160 per ton, delivered.

BENZOIN.—Sumatra block on the spot is quoted at from £18 to £19 per cwt.; Siam block, 22s. per lb., spot.

BISMUTH. — Basic rate for metal is 14s. 6d. per lb., in minimum 5-cwt. lots.

BLACK HAW.—Root bark is offering at 6s. per lb., duty paid, spot London; tree bark, 3s. 3d., duty paid.

BUCHU.—New-crop short rounds on the spot are offered at from 3s. to 3s. 2d. per lb., as to quality.

CALUMBA.—Natural unwashed sorts are quoted at from 75s. to 80s. per cwt., spot.

CANTHARIDES. — Quiet. Supplies of Chinese are offering at 5s. 6d. per lb.

CAPSICUMS. — African on spot is 180s. to 280s. per cwt., as to quality and origin.

CARDAMOMS.—Green Aleppy on the spot, offered at 18s. per lb.; Aleppy seeds, of good quality, are quoted at 25s. 6d. per lb.; split, 23s. per lb., spot.

CASCARA SAGRADA.—Spot quotations for 1949 bark are from 285s. to 290s. per cwt., duty paid.

CHERRY BARK.—Prices from 2s. 2d. per lb., duty paid, are asked for supplies on the spot.

COD-LIVER OIL.—Medicinal (B.P.) oil in bulk is quoted as follows:—In 45-gall. drums, 12s. per gall., plus 30s. charge for loaned drum; in 25-gall. drums, 12s. per gall., plus 20s. for loaned drum; 5-gall. drums, 13s. per gall. (drum included and not returnable); 1-gall. tins, 13s. 6d. The foregoing prices are for supplies to wholesale distributors.

COLCHICUM. — Corms on spot are quoted at from 3s. 6d. to 5s. per lb., as to test; seeds, 9s. 6d. per lb., spot, duty paid.

COLOCYNTH. — Very little inquiry reported. White pulp on the spot is quoted at 2s. per lb.

DIGITALIS. — English leaves are from 2s. 3d. per lb.; powder, B.P., 5s. 9d.

GENTIAN.—French on the spot is quoted at from 90s. to 92s. 6d. per cwt.

IPECACUANHA.—Nicaraguan is offered at 37s. per lb.; May-June shipment, 34s., c.i.f. Colombian is quoted at 32s. per lb., spot, and 29s., c.i.f., for shipment.

MENTHOL.—More activity in Brazilian which is rather short on the spot and prices around 83s. to 84s. per lb., duty paid, are asked; new-crop now arriving is quoted at from 76s. to 77s. 6d. per lb., in bond. Chinese is quoted at 92s. 6d. per lb., duty paid, spot; for shipment, 80s., c.i.f., quoted.

ORANGE PEEL.—Thin cut Tripoli is quoted at 1s. 1d. per lb., duty paid, spot; bitter quarters are 1s. 3d. per lb., duty paid.

ORRIS ROOT.—Verona is quoted at 70s. per cwt., ex wharf London.

PAPAIN. — East African white, on the spot, is from 15s. to 16s. per lb.; Ceylon brown, from 11s. to 12s., spot.

PIMENTO. — Spot quotations are from 1s. 5¾d. per lb.; for shipment, 168s. 6d., c.i.f., quoted.

PODOPHYLLUM. — Indian (*emodi*) on the spot is from 320s. to 335s. per cwt., as to test.

RHUBARB. — Business reported at from 11s. 6d. to 11s. 9d. per lb., duty paid, in Chinese rough round, of which a few cases only are available on the spot. Shipment values from Hong Kong are in the region of 7s. 9d., c.i.f.

SEEDS. — Turkish ANISE is quoted at 152s. 6d. per cwt., in bond, and 162s. 6d. per cwt., duty paid; Egyptian is 150s. per cwt., in bond; all spot London. CARAWAY. —Dutch is quoted at 122s. 6d. to 125s. per cwt., duty paid, spot London. CELERY. —Indian is offered at 1s. 9½d. per lb., spot London; French has been sold at 1s. 9d. per lb., duty paid, in London. CORIANDER. — Market remains firm. Morocco on spot is 105s. per cwt., in bond, and 110s. per cwt., duty paid. Old-crop material for shipment is quoted but not offered at 92s. 6d. per cwt., c.i.f. No reports regarding new crop available. CUMIN. — Market dearer. Very little Morocco on spot on account of some heavy export orders; the price for shipment has advanced to 176s. per cwt., c.i.f. London. Cyprus, now afloat to Liverpool, is offered at 170s. per cwt., c.i.f.; New-crop for June-July shipment is quoted at 160s. per cwt., c.i.f. London. DILL.—Indian on spot is 62s. 6d. per cwt.; for shipment, 60s. per cwt., c.i.f., quoted. FENNEL.—Market remains firm. Indian is 95s. per cwt., spot London. FENUGREEK. — Morocco is 55s., spot Liverpool, and 57s. 6d. per cwt., spot London, both duty paid. Indian is 62s. 6d. per cwt., spot London.

SHELLAC. — A quiet market. F.O.T.N. pure is quoted at 235s.; F.O. Standard 1, 250s.; and fine orange, 280s. to 340s. per cwt., ex warehouse London.

STYRAX.—Spot quotations for crude are at 7s. 3d. per lb.

TRAGACANTH. — Firm. White ribbon, selected, is quoted at £135 to £140 per cwt.; No. 1, £130; No. 2, £115; No. 3, £100; No. 4, £65, spot.

TONKA BEANS.—Trinidad, frosted on t spot, quoted at 7s. 6d. per lb. Pará froste 5s. 6d. to 6s. per lb., spot, as to holde shipment, 5s. 6d., c.i.f

VALERIAN. — Spot quotations are fr 195s. to 215s. per cwt. for Belgian root.

WITCH HAZEL LEAVES.—Spot quotatio are at 3s. 3d. per lb.

Essential and Expressed Oils

AMBER.—Rectified on the spot is offer at 1s. 2d. per lb.

ANISEED.—Little activity reported. Sp quotations have declined to 8s. 6d.-8s. per lb.; May-June shipment 6s. 9d., c.i

BIRCH TAR.—Crude is offered at 6s. lb., spot London.

BOIS DE ROSE.—Brazilian on the sp is from 23s. to 27s. 6d. per lb.

CADE.—Spanish oil, B.P., on the sp is offered at from 2s. 9d. to 3s. 9d. per

CAJUPUT.—Prices are from 21s. per ex warehouse, for B.P. oils.

CAMPHOR.—White oil on spot is quot at from 2s. 2d. to 2s. 3d. per lb., du paid; brown oil, from 1s. 4d. per lb., sp duty paid.

CANANGA.—Java is offered at 28s. per lb., spot, for small quantities.

CARAWAY.—English-distilled is offered from 36s. to 40s.; imported oils are fered at from 22s. 9d. to 26s. 6d. per spot, as to quality.

CASSIA. — Spot quotations are fr 16s. 6d. to 17s. per lb.; for shipme 16s. 6d., c.i.f., quoted.

CEDARWOOD.—East African is quoted 3s. 6d. to 4s. 6d. per lb., spot London

COPAIBA. — Spot offers are at fr 14s. 6d. to 15s. per lb.

CORIANDER. — English-distilled is quo at about 250s. to 260s. per lb. Dutch offered at from 185s. to 210s., duty p

CUBEBS.—Steady Supplies of Engli distilled offered at from 50s. to 55s. per Imported is quoted at from 52s. to 55s.

CUMIN.—Quotations for English-distil are at about 70s. per lb.

DILL.—English-distilled oil is quoted from 57s. per lb. for B.P. quality. ported oils are offered at from 28s. 55s. 3d. per lb., as to quality.

FENNEL.—Dutch sweet is quoted at fr 17s. to 17s. 6d. per lb., duty paid; shipment, 15s. 4d., c.i.f.

GINGER.—English-distilled is from 14 to 300s. per lb., as to grade and sel Imported oils, 120s. per lb., spot.

JUNIPER BERRY.—Imported oils are q ted at from 19s. to 25s. per lb., duty pa English-distilled, first quality, is offered from about 70s. per lb.; B.P.C. oil is

NUTMEG.—Prices of English-distilled are at 33s. to 37s. 6d. per lb.; seco

ude, 25s. per lb. Imported oil is offered around 32s. 6d., duty paid.

OLIVE.—Importers' Association's rate is s. 2d. per gall. of 9 lb., ex store, drums cluded. Additional charges are added small quantities, according to cost of aking bulk, containers, delivery, etc.

PALMAROSA.—Dealers are asking from s. to 55s. per lb., spot.

PATCHOULI. — Singapore is quoted at 5s. per lb., spot; shipment, 115s., c.i.f. ychelles, 125s. per lb., spot; 112s., c.i.f.

PEPPERMINT. — Quiet. Spot quotations Chinese (*M. arvensis*) are from 43s. to 44s. per lb.; afloat, 40s., c.i.f. B.P. oil is offered at from 60s. to 65s. per lb. on the spot. English-distilled "Mitcham" oil is in short supply at 210s. per lb.

PIMENTO BERRY. — English-distilled oil, from 67s. 6d. to 70s. per lb. and upwards as to quantity.

ROSE.—Bulgarian is nominally quoted at from 260s. to 300s. per oz., and Anatolian at 260s. per oz., both spot London. Other grades are available from about 190s. per oz. Market quiet.

SANDALWOOD.—East Indian is quoted at 74s. per lb., on the spot.

EGYPTIAN PHARMACEUTICAL MARKET

ITH Government priority given to health hemes, and to the development and ening of new clinics and hospitals, the yptian market for pharmaceutical pro- cts is expected to become limited only the spending power of the country. any serious and incapacitating diseases e prevalent, and likely to remain a pro- em until education of the masses, the pro- sion of pure water in villages, rigid ntrol over the cleanliness of foodstuffs, d kindred aspects of development be- me more widespread and advanced.

Competition is keen. During the war ars many American companies intro- ced their products into the Egyptian arket for the first time, but they have en unable to develop, or even maintain, eir level of sales on account of Egypt's ortage of dollars. British, Swiss, Belgian, ench and Italian firms are all competing, ough here again (particularly in the case Swiss products), competition tends to limited by the availability of currency. uality is important, but prices, especially the poorest members of the population, e even more so.

Importance is attached to the availabi- y of small packings, so that drugs may purchased by people who are otherwise able to afford large sizes. In Egypt, armacists are not allowed to "break lk" in dispensing prescriptions for pro- ietary articles and pharmaceutical speci- ties. Large packings of tablets and am- ules are acceptable only to hospitals. A mber of local laboratories are producing blets, ampoules, specialities and popular medies. They achieve a fair standard d their prices are highly competitive. ey enjoy preferential treatment from the overnment when purchasing on tender, ovided the prices at which they offer not exceed the offers of important over- as manufacturers by more than 10 per cent. Exporters to Egypt should pay close attention to presentation. Distinctive design is of importance when the goods are used by illiterate members of the community, since the design helps them to make repeat purchases. The population of Cairo, Alexandria and other large cities is cosmopolitan, and it is an advantage when Arabic, English and French are employed on labels and other printed matter.

The rate of profit made by local agents is controlled by a system of price tariffing, under which the agent is permitted to add not more than 72 per cent. to his landed cost in order to establish the price to the public. From the public price, discounts of 20 per cent. are given to retail pharmacists, and 29 per cent., plus 9 per cent., to wholesalers. Bulk chemicals and hospital packings are tariffed by the addition of 40 per cent. to landed cost. The agent must affix to each item a label, printed in Arabic and in a European language, showing the selling price to the public.

Each year the Egyptian Government purchases substantial quantities of pharmaceutical products by tender. Such business involves difficulty and is highly competitive. A time-limit is placed upon delivery, and a fine of 4 per cent. imposed for non-observance. All products are subjected to analysis before acceptance, and the manufacturers may run the risk of having products rejected because they do not conform to the local interpretation of pharmacopœial monographs. In addition, payment for supplies is often delayed, and some agents are reluctant to immobilise capital in this way in return for the small profit forced upon them by competition. During 1948—the latest year for which complete figures are available—the total value of chemical and pharmaceutical products of all kinds imported into Egypt was over £E5 millions.

CORRESPONDENCE

Export Opportunities

SIR,—Publication of the article "Export Possibilities Surveyed" (*C. & D.*, April 8, p. 444), would tend to indicate that the details given therein refer to pharmaceutical products and druggists' sundries. The figures and comments relate to "consumer goods," and bear little relation to conditions affecting the exporter of pharmaceutical products.

L. A. ROSE, M.I.Ex.

Kenton, Middlesex.

The Coming Election

SIR,—With the Council election ahead let us choose our leaders carefully and on true merit, keeping some of the "Old Guard" for their loyalty and experience, and a few "highbrows" for their knowledge and skill, but let us have some new, fresh, young blood for their enthusiasm. These volunteers are worthy of our support. Let's give them a chance.

Chilwell. R. G. DAVIES-JOHNS.

Conditions Under N.H.S.

SIR,—The Minister of Health has stated that the staff at present engaged in pricing N.H.S. forms will be adequate once arrears are overtaken. At the present rate of progress the private chemist will have given place to the health centre long before the last account is paid in full. Most of us in Scotland came into the service on the strength of a promise that machinery would be set up to deal with our claim for higher remuneration. The machinery has been set up, I believe, but we are still waiting for the power to be connected. We have seen the regulations altered by Statutory Instrument to allow the Secretary of State for Scotland to impose a modified scheme of pricing. We have seen our remuneration cut as regards container fees, and our work added to by "sorting out." It has been suggested that the "small man" who has been giving good service to his local hospital is no longer capable of supplying and he has not been given even the privilege of tendering. The longer we chemists put up with present conditions the less chance we have of ultimate survival. We appear to have "missed the bus" in 1948; since then we seem to have embarked on a "slow boat" without even asking where it is heading for.

Anstruther. R. S. WHITELAW.

TRADE MARKS

(*From "Trade Marks Journal," April* 12)

For all goods excluding essential oils (3) "EKO" (in distinctive lettering); by Colgate-Pa olive-Peet, Ltd., London, W.C.2; 681,640.

For all goods (3).—"DAIROZON"; by Lapc Chemicals, Ltd., Luton; 685,583.

For non-medicated toilet preparations (3) "CONTRASOL"; by Executive Perfumes, Lt Leeds; 684,802.

For perfumes (3).—"CONCORDIA"; by the Abi san Manufacturing Co., Ltd., London, S.E.: 685,457.

For veterinary and antiseptic preparations a disinfectants (5).—"HATCHWELL"; by the Hat well Co., Ltd., Preston; B644,260.

For medicated preparations in the treatment bronchial infections (5).—"KILKOF"; by Park sons, Ltd., Burnley; 672,978.

For tablets for the treatment of alcoholism (—"ANTALCO"; by Gorgate Products, Ltd., De ham; 680,710.

For all goods (5).—"AROMIST"; by Industi Humidifiers, Ltd., Leicester; 682,663.

For disinfectants and deodorising preparati (5).—"NOVAMINE"; by Walter Gregory & C Ltd., Wellington; 683,876.

For medicated hair preparations (5).—"KID LOX"; by Maureen Baun, Ltd., Bury; B684,002

For medicated toilet paper (5).—"POWDEX by Superior Papers, Ltd., Uxbridge; 685,499.

For insecticides and fungicides (5).—"MAF TU"; by Genatosan, Ltd., Ipswich; 685,644.

For shaving instruments (8).—"ROLLS"; Rolls Razor, Ltd., London, N.W.2; 682,752.

(*From "The Trade Marks Journal," April*

For industrial chemicals (1).—"STERNITE"; Sterling Moulding Materials, Ltd., London, W 676,770. "SUSGRA"; by Colloidal Graphite, Lt London, E.C.3; 684,675.

For surgical rubber cushions, truss pads and f pads (10).—"OCOTEX"; by Ioco, Ltd., Glasgo 681,643.

For all goods (1).—"EKAFIX"; by Sandoz, A.(Basle; 679,932.

for non-medicated toilet preparations (3). "WINDJAMMER"; by Goya, Ltd., London, W 684,554.

For detergents (3).—"CROKO"; by Orcene C Ltd., Warwick; 685,171.

For aperients (5).—"HEATHERCLEAN"; by Hea and Heather, Ltd., St. Albans; B675,077.

For all goods (5).—"BOTONICA"; by C. Hassall, Ltd., Farnworth; 679,256. "EKATOX "ACATOX"; by Sandoz A.G., Basle; 680,987-8

For pharmaceutical preparations (5).—"MEN DIOL"; by Clinical Products, Ltd., Richmon 682,412.

For preparations for taking impressions of ea gums and other parts of the body (5).—"OF POL"; by Amplivox, Ltd., London, W.1; 685,24

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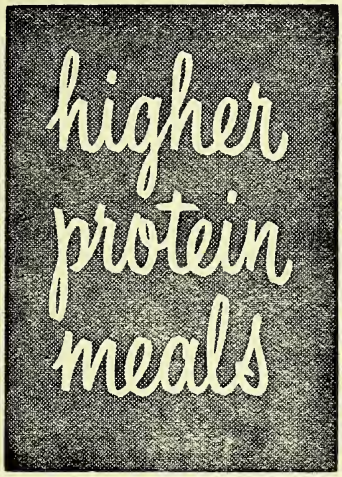

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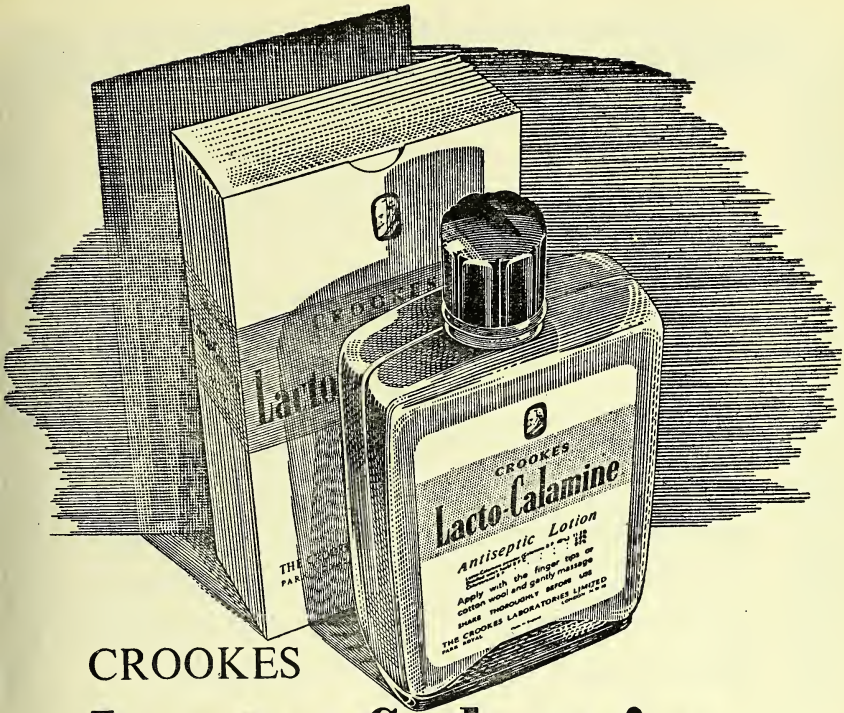

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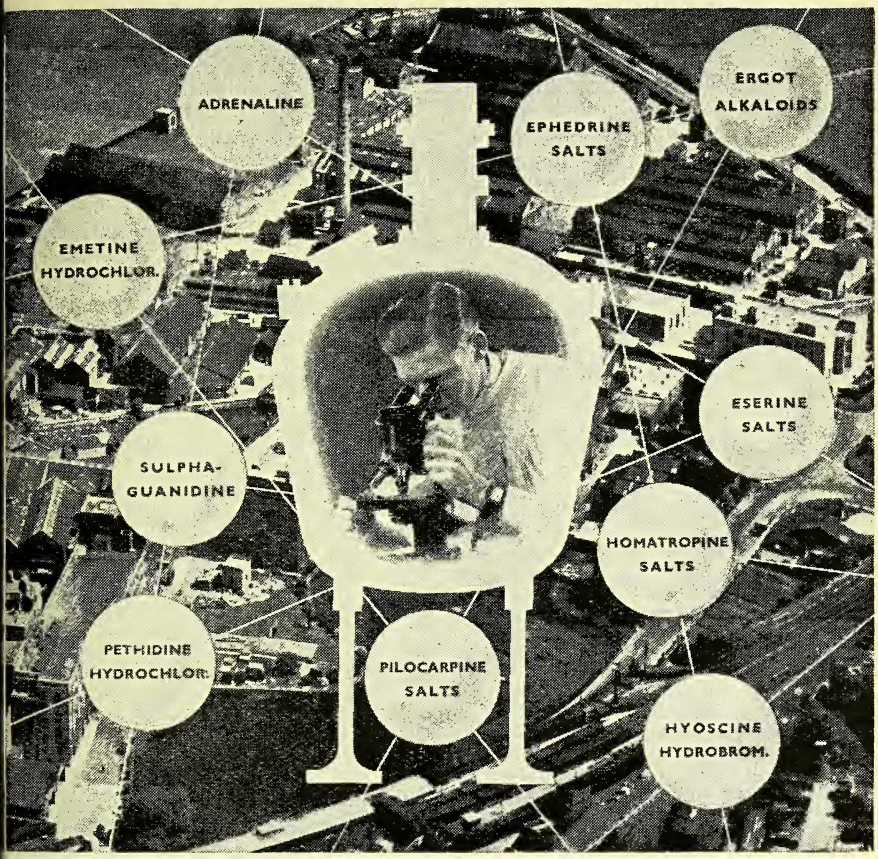

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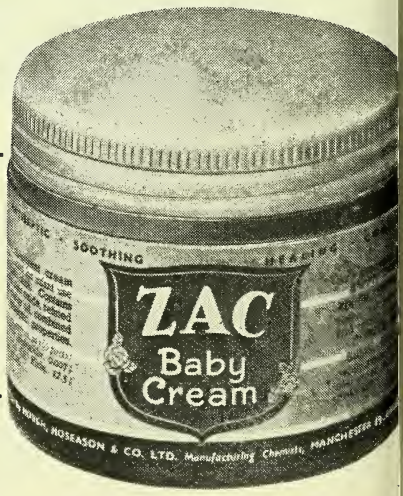

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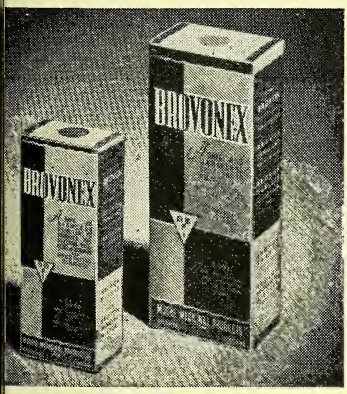

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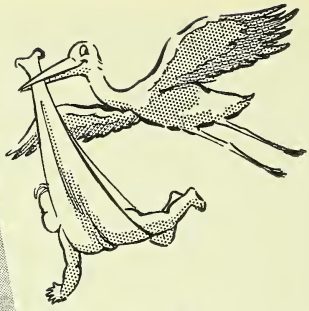

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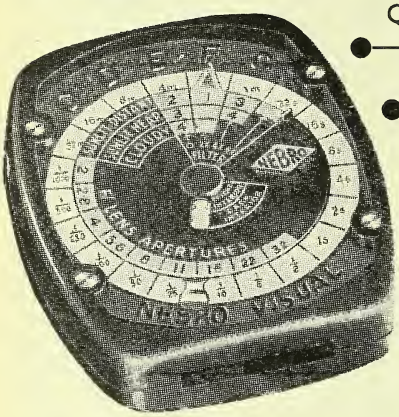

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1lb. size 2/-
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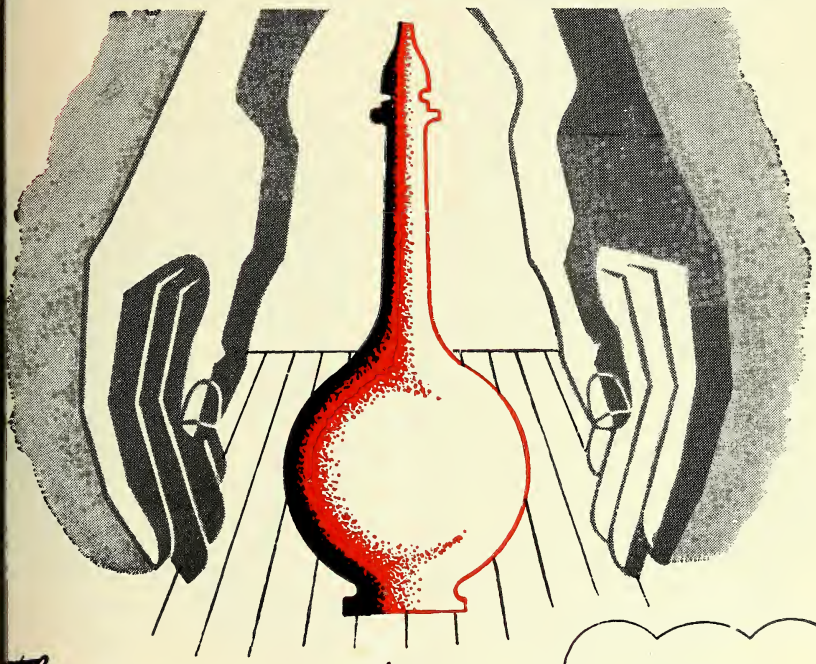

The unseen guardians

n producing chemicals for the Pharmaceutical industry here are three absolute essentials—quality, uniformity, nd purity. At Ruabon, a staff of highly-skilled control hemists watches every stage of manufacture to ensure hose fundamentals. The result is that Monsanto pharaceuticals not only conform to B.P. standards but ften surpass those standards by a considerable margin. nother point worthy of note, is that Monsanto themelves, produce most of the raw materials from which hose pharmaceuticals are made, thus giving the assurance f control from start to finish right along the line

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ASPIRIN : ASPIRGRAN
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SODIUM BENZOATE B.P.
BENZOIC ACID B.P.
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PHENOL B.P.
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CRESANTOL 3
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EACH UNBROKEN DOZEN CHARGED AS 11

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SAME QUALITY

The Price your Customers paid in 1939

SPECIAL BONUS TERMS For the *Month of May Only* all orders for 1 Dozen will be billed to retailers as eleven on the new price basis. *ONE FREE 4/6 LIPSTICK WITH EVERY ORDER FOR A DOZEN!*

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Today women cannot spend as freely as formerly. They *must* economise. TATTOO have foreseen this trend—with a price reduction that makes cuts on other brands look puny in comparison. Phenomenal sales *must* result from a near 50% reduction. You'll share in more than the increased profits from the resulting volume sales. You'll share, too, the credit for this, the biggest blow at high cosmetic costs!

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From 1st June largest, swivel-case size Tattoo Lipstick retails at 4/6 — the SAME PRICE PAID IN 1939. Forceful advertising will announce the news in National Dailies and record-circulation magazines. This Tattoo campaign will ensure that **10 MILLION WOMEN WILL READ EVERY WEEK OF THIS SENSATIONAL RETURN TO PRE-WAR LIPSTICK VALUE.** ★ ***Be ready to back-up the demand with supplies. Remember . . . lower price is a sales stimulator that never fails! And Remember . . . ONE FREE 4/6 LIPSTICK TO YOU with every order for a dozen during May!***

Sole Distributors: FASSETT & JOHNSON LTD., 86 CLERKENWELL ROAD, LONDON, E.C.1

ENO —*back in its pre-war wrapper!*

As you clear your present stocks of ENO'S 'Fruit Salt' you are preparing the way for new deliveries of ENO in its colourful pre-war wrapper. So catch your customers' attention with a display of ENO . . .

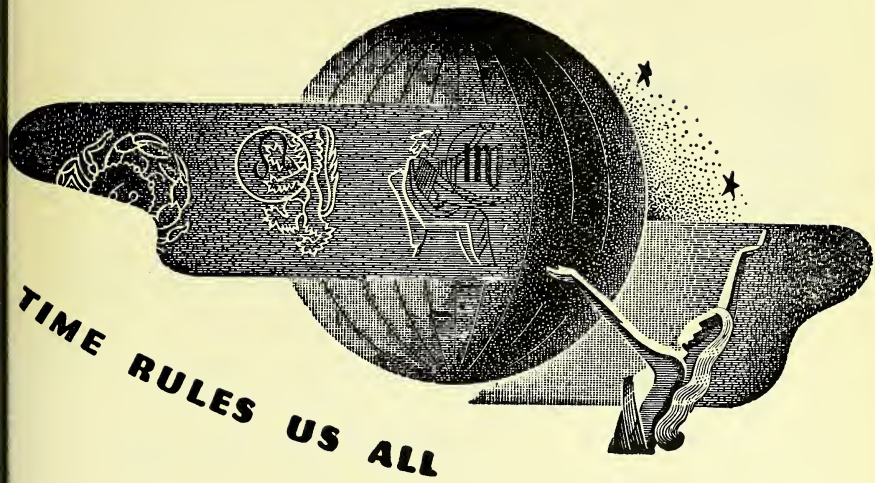
ENO sales are soaring.

ENO press and poster advertising this year will be seen by more millions than ever.

J. C. Eno Ltd., Watford, Herts.

Eno's 'Fruit Salt'

World famous for over ***EIGHTY YEARS***



. . . but for customers who depend on insulin to control carbohydrate metabolism it assumes an even greater significance.

In the selection of the type of insulin, speed of action and duration of effect are all-important factors. There are forms of A.B. brand of Insulin to meet all requirements.

INSULIN A.B.: The original unmodified type. Immediately effective but relatively short-lived.
5 and 10 c.c. vials (20, 40 and 80 units per c.c.)

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PROTAMINE ZINC INSULIN A.B.: A suspension of insulin precipitated by protamine which is absorbed slowly, thus delaying the initial action and prolonging the effect for 24 hours and upwards.
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Insulin A.B.

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At least 500 chemists cannot all be wrong!
In 12 months all these chemists have opened or re-opened with Barclays in the Greater London area. One of these dropped us 25 years ago.
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These customers value our independence*, our comprehensive stocks, the running of our vans to schedule and last but not least our endeavours to give courteous, friendly and above all P-E-R-S-O-N-A-L Service.
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* Because of our long history, we are proud of our independence as a public company (with no connection with any other business).

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Composition : crystalline penicillin G procaine plus a suspending agent.

Packings and Prices : rubber-capped injection-type vials of (*a*) 300,000 i.u. penicillin, boxes of 5 vials, 20s. 0d. (*b*) 900,000 i.u. penicillin, boxes of 5 vials, 42s. 6d. ; subject to discount.

Immediate supplies are available from our Distributors :

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or from your usual wholesaler.

NOTES : *'Distaquaine' G, which is issued as dry substance, is designed to form a suspension on the addition of sterile distilled water or other suitable aqueous vehicle. The formula contains neither oil nor wax. Preparation of the suspension is simple and convenient and may be carried out extemporaneously by the physician. A single dose (300,000 i.u. penicillin) gives a prolonged depot effect and normally maintains an effective blood level during 24 hours.*

Manufactured by

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TUBERCULOSTATIC

A *NEW METHOD OF SYNTHESIS* developed in the Wander Research Laboratories has rendered possible the introduction of '*Aminacyl*'—the sodium salt of P.A.S.—which now represents the most recent advance in anti-tubercular therapy as regards clinical performance, non-toxicity and ease of administration.

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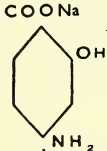
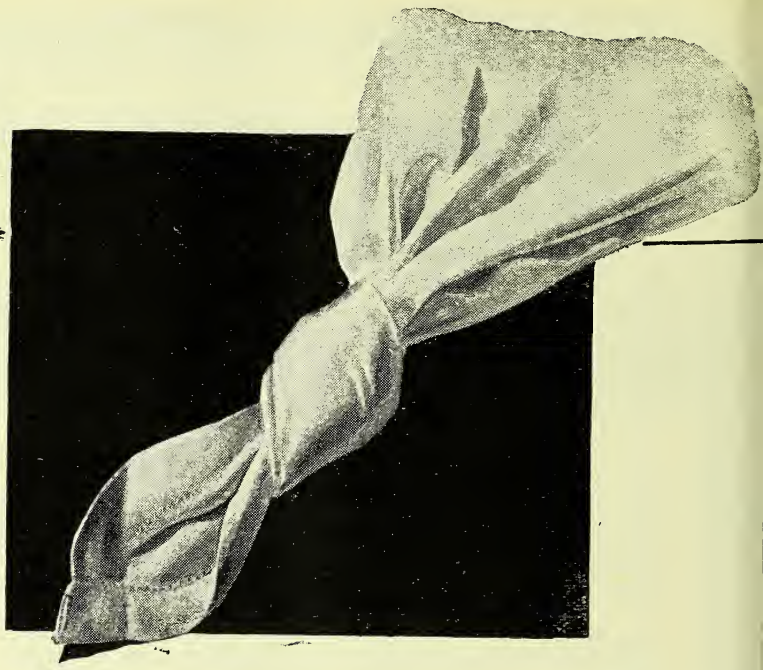


refined P.A.S (sodium salt)

Descriptive literature as mailed to sanatoria and doctors may be had on request.

M.251



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FOR EVERYTHING
PHARMACEUTICAL
1796—1950

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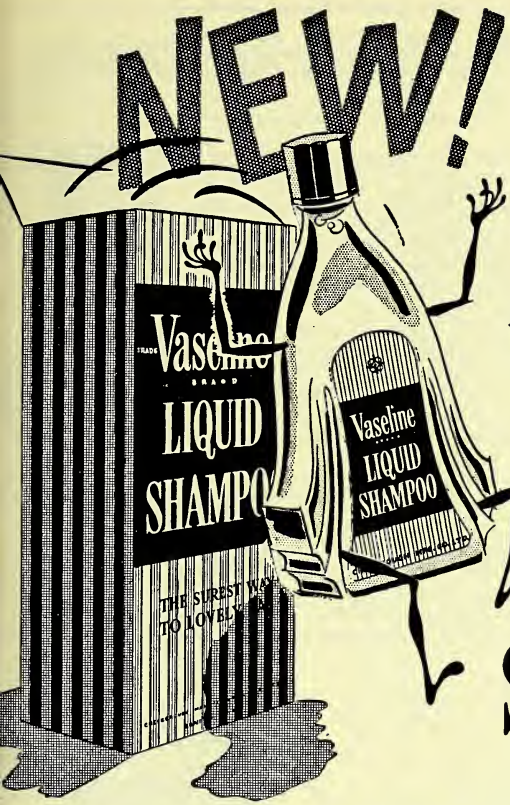

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Applies to U.K. and Northern Ireland only

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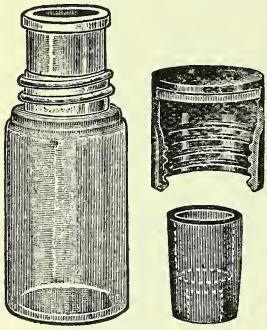
The 'Clinbritic' Vaccine Bottle

Patent No. 492200
MADE IN ALKALI FREE AMBER or WHITE GLASS



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A Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.
No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.
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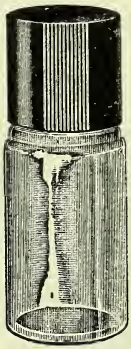

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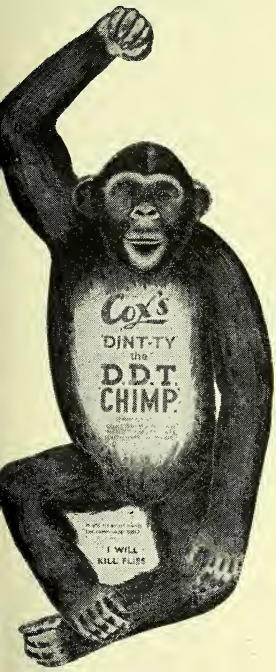
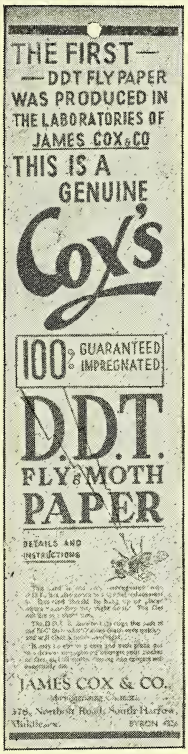
THEY DO KILL FLIES





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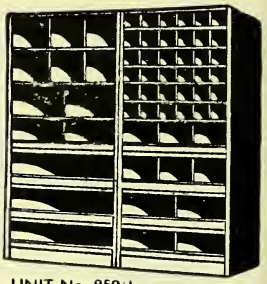
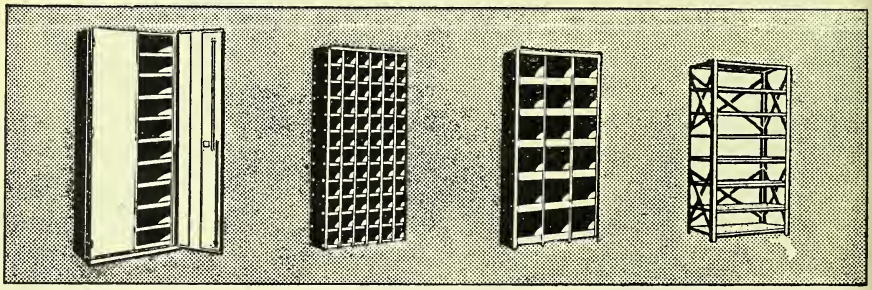


UNIT No. 950/1



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Used by many firms of national repute.

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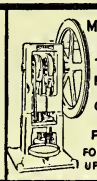
TABLET MAKING MACHINERY

MANESTY F3 TABLET MACHINE

OUTPUT 85 PER MIN.

FOR TABLETS UP TO 3/4" DIAM.



MANESTY HAND TABLET MACHINE — OUTPUT 100 PER MIN.

FOR TABLETS UP TO 1/2" DIAM.

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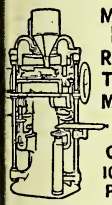
OUTPUT 85 PER MIN.

FOR TABLETS UP TO 1" 2 DIAM.

MANESTY HAND COMPACT PRESS — OUTPUT 2000 COMPACTS PER DAY

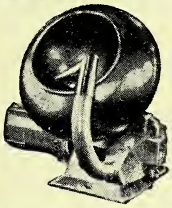
MANESTY CP2 COATING PAN

STANDARD SIZE 30" DIAM.



MANESTY B.B.3 ROTARY TABLET MACHINE — OUTPUT 1000-1500 PER MIN.

FOR TABLETS UP TO 1/2" DIAM.



'BCP2' BENCH COATING PAN

with hot air blower

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SEE OUR EXHIBIT

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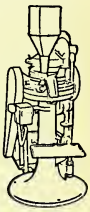
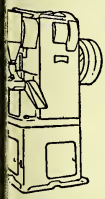
MANESTY B3 ROTARY TABLET MACHINE — OUTPUT 400-500 PER MIN.



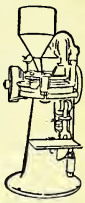
FOR TABLETS UP TO 1/2" DIAM.



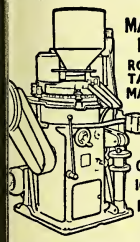
MANESTY Nº2A TABLET MACHINE — OUTPUT 55-220 PER MIN.

FOR TABLETS UP TO 1 1/2" DIAM.

MANESTY D3 ROTARY TABLET MACHINE — OUTPUT 300-350 PER MIN.

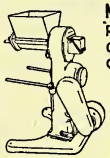


FOR TABLETS UP TO 1" DIAM.



MANESTY R.S.1 ROTARY TABLET MACHINE — OUTPUT 168-336 PER MIN.

FOR TABLETS UP TO 1 3/8" DIAM.



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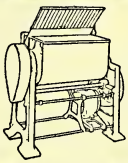

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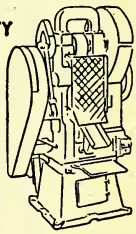

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MANESTY MACHINES LIMITED

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for everyone who needs it

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Ribena

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(particularly rich in natural vitamin C)

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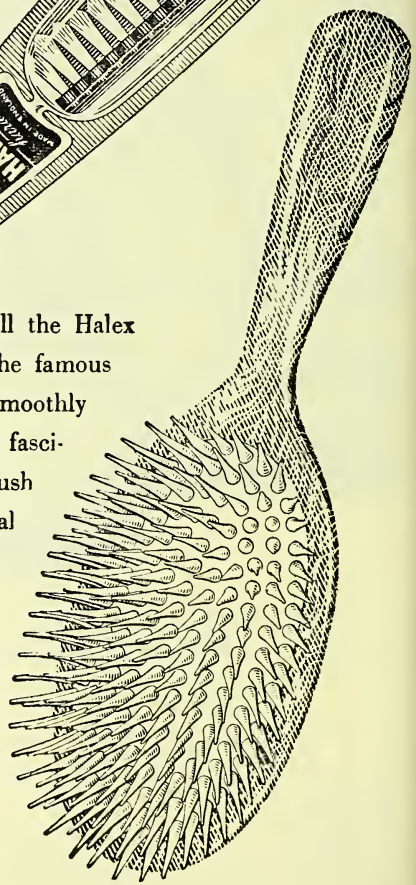
It pays to display your ***HALEX*** *goods!*



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'CODEMPRIN' TRADE MARK

Acetylsalicylic Acid . . gr. 3½ Phenacetin . . gr. 2½ Caffeine . . gr. ½ Codeine Phosphate . . gr. ⅛

'CODEMPRIN'

TRADE MARK

Formerly supplied as **'TABLOID'** BRAND **'EMPIRIN'** TRADE MARK **COMPOUND WITH CODEINE**

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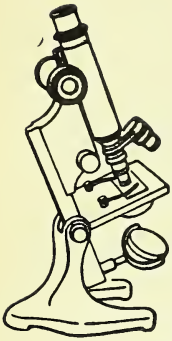

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'Sleek'

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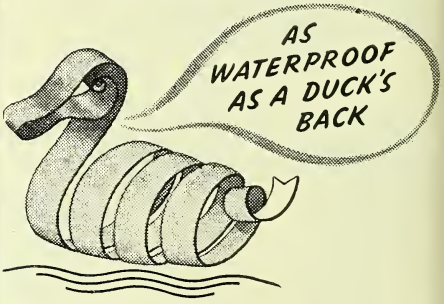
PLASTIC ADHESIVE STRAPPING



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'Sleek' is regularly advertised to the medical profession, veterinary surgeons, factories and industrial concerns.

Flesh colour only

1″ x 5 yd. spools **Retail price 2/-**
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TRADE: 12/3 doz. RETAIL: 2/6 per tube incl. purchase tax

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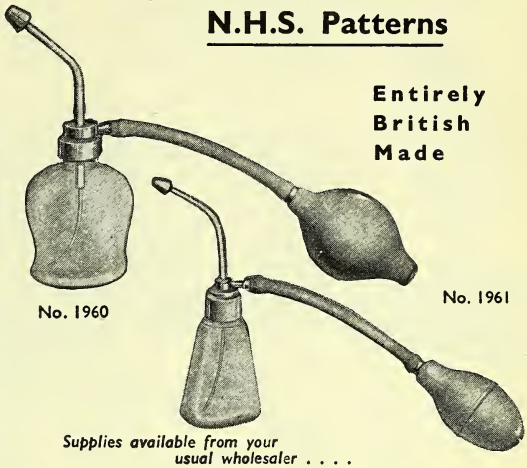

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The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now ?

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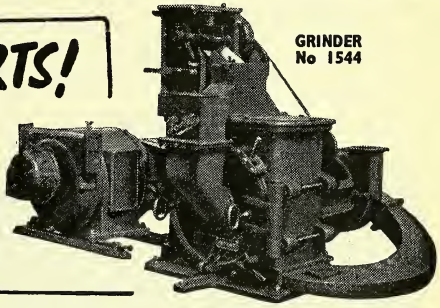

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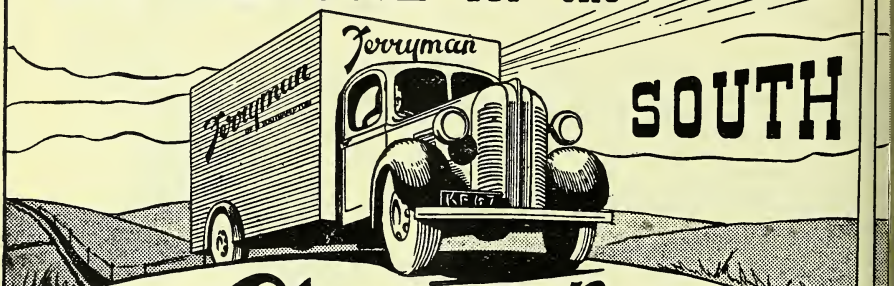

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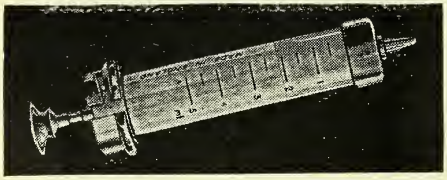

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WHOLESALE AND EXPORT ONLY
Illustrated Folder and Price List on application

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BIG SELLERS for LITTLE FELLERS

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TIGHT FITTING SWIM CAPS

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Packed in individual window cartons, caps are of red, yellow, pale-blue and white. Supplied in outers containing 4 dozen cartons, assorted.

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Hobson's Choice removes Corns in 3 to 7 days, it is safe, sure and painless. Backed up by widespread advertising it has become the leading CORN CURE on the market to-day.

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FEET PLAISTERS POWDERS

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The new intermediate 8-oz. size sells to you at 193/- per gross – plus P.T. 62/9 – to retail at 2/4 which includes Purchase Tax.

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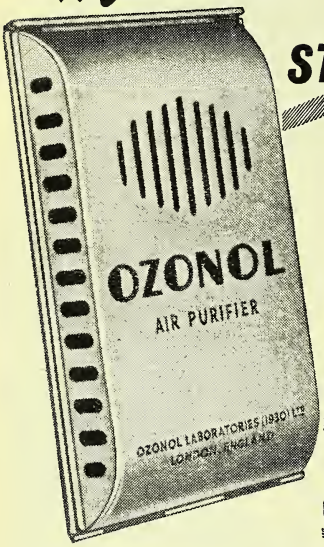

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W. MELLOR & Co. (Mossley Ltd) **SANITARY UNA TOWELS** UNA MILL MOSSLEY LANCS.

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COMPRESSED
MEDICINAL & OTHER
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Private Formulas compounded by Experts. Strict secrecy guaranteed.

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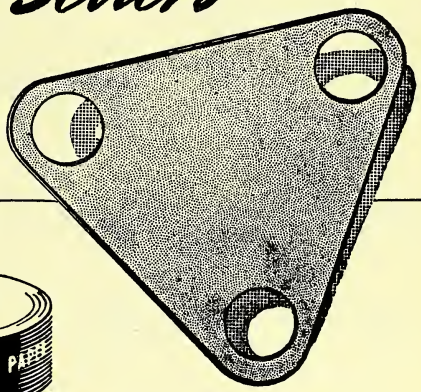
MIRACLE DISPLAY

makes "stacks" of Best Sellers



- **BIGGEST ADVERTISING** *brings in customers.*
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Regd. Trade Mark

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...but make sure it's a VEXTERM RAT BISCUIT, not harmful to pets, human beings or farmyard stock, when used as directed, but death to rats and mice. Clean, safe ane easy to handle. From Chemists, Irnomongers and Stores everywhere. Pricel/6&5/9

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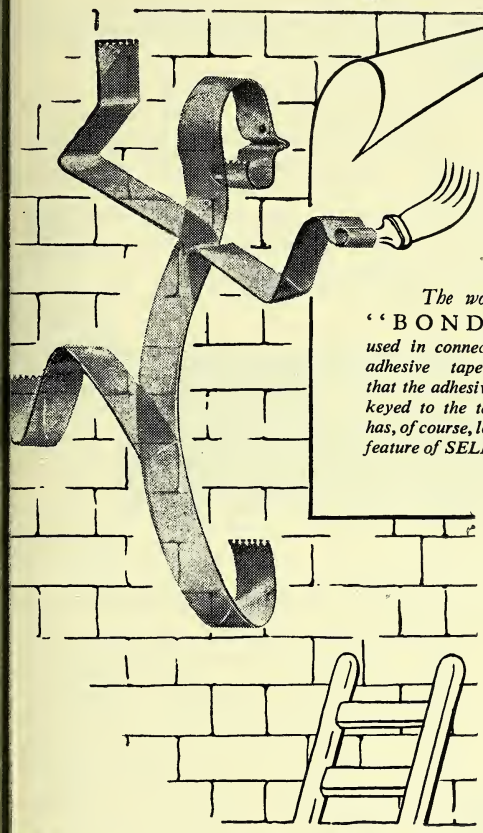

The word "BONDED" used in connection with adhesive tape implies that the adhesive is firmly keyed to the tape. This has, of course, long been a feature of SELLOTAPE.

Yes — as soon as it touches, Sellotape sticks fast . . . without gum or water, cleanly, easily. Try it for protecting bottle labels, you'll get no more tears, smears, dirt or damage . . . use it on your 'over the counter' packages, it's quicker and a little goes such a very long way.

Sellotape is also available in handy dispensers for resale to the public. Backed by National advertising and striking display material, they **really** sell! So make sure your stocks are adequate. Write or phone for full details, now!

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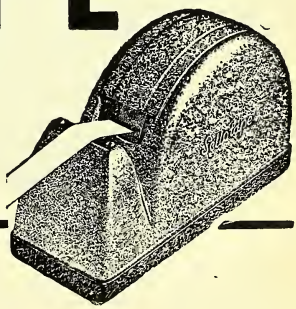
SELF-ADHESIVE CELLULOSE TAPE



ORDON & GOTCH LTD., 4 GORDON HOUSE, ARRINGDON STREET, LONDON, E.C.4. *Tel. CENtral 5211*

EFFECTIVE ERADICATION OF

Head Lice and Nits . . .

- Semprolia in either form provides an effective and pleasant disinfestation treatment, without need for combing.
- Semprolia is applied by simple massage into the scalp.
- Semprolia is economical, only one half to two drachms required for each application.
- Packs for clinic use and home treatment are available.
- List price 8/- per dozen (plus tax). Retail price 1/3d. (including tax).

NEW FORMULA **Semprolia** BRAND

D.D.T. HAIR EMULSION OR MEDICATED (LETHANE) HAIR OIL N.F.

STEMCO LTD., 128/132, ALBERT STREET, CAMDEN TOWN, N.W.1

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WELL KNOWN FIRM OF TOILET ROLL AND INTER-LEAVED PACKET MANU-FACTURERS (Factory LONDON) WITH MODERN PLANT WILL ACCEPT ORDERS, FROM ESTAB-LISHED FIRMS, AT VERY KEEN PRICES FOR 6 oz., 7 oz. and 8 oz. MEDICATED TOILET ROLLS. TOILET ROLLS CAN BE BANDED WITH HIGHLY GLAZED BANDS—2/3 COLOURS (at no extra charge) TO CUS-TOMERS OWN DESIGN. ANY WORDING DESIRED CAN BE PRINTED ON EACH SHEET.

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HE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY DENTICAL WITH THAT OF PRE-WAR PREPARATION

ecause of our heavy purchases immediately before war broke out. Our stocks re still considerable and the high MBL standard will be fully maintained.

HERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

		Retail Prices (inclusive of Tax)	CHEMISTS' PRICE Per unit Net +	Purchase Tax	CHEMISTS' PRICE Per dozen Net +	Purchase Tax
NTIPEOL						
INTMENT	4 oz. tube	7/5	4/2½ +	1/5	50/5 +	16/10
	40 gr. „	3/8½	2/1½ +	8½	25/3 +	8/5
	20 gr. „	2/1	1/2 +	5	14/- +	4/8
QUID	40 c.c. bottle	3/8½	2/1½ +	8½	25/3 +	8/5
PHTHALMO-ANTIPEOL						
) gr. Nozzled Tube		3/8½	2/1½ +	8½	25/3 +	8/5
3 gr. „ „		1/9	1/- +	4	11/11 +	4/-
HINO-ANTIPEOL						
) gr. Nozzled Tube		3/1	1/9 +	7	21/- +	7/-
3 gr. „ „		1/9	1/- +	4	11/11 +	4/-
NTEROFAGOS						
ox of 50 ampoules		19/-	13/3½	None	159/7	None
„ 10 „		4/3	3/-	None	35/8	None
„ 5 „		2/6	1/9	None	21/-	None
ETENSYL						
in of 500 tablets		43/-	24/- +	8/-	288/- +	96/-
ube of 50 „		4/11	2/8½ +	11	32/4 +	10/10
T. JAMES' BALM						
in of approx. 2½ oz.		3/1½	1/11 +	7½	22/6 +	7/6
„ „ 1 oz.		1/7	11 +	4	11/3 +	3/9

Carriage paid on all orders of 1 dozen or £1 and over.
Terms : NETT, Monthly Account.

IEDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

Buying Sunglasses?

DEVALUATION-means-REVALUATION

. . . Customers value your discretion so . . .

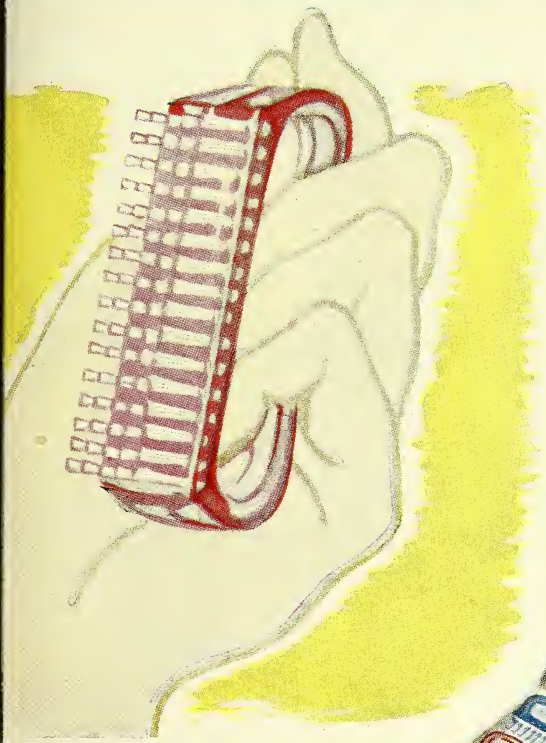
before stocking up, please ask your wholesaler to show you our 1950 range — new models, keen prices. Over 15 styles from which to choose, retailing from **9d.** with our popular L.2 model "Sunrex" with ***glass lens*** at **1/9.** individually boxed!!

Buy BRITISH this Season

LAST SEASONS' SUNGLASS SENSATION

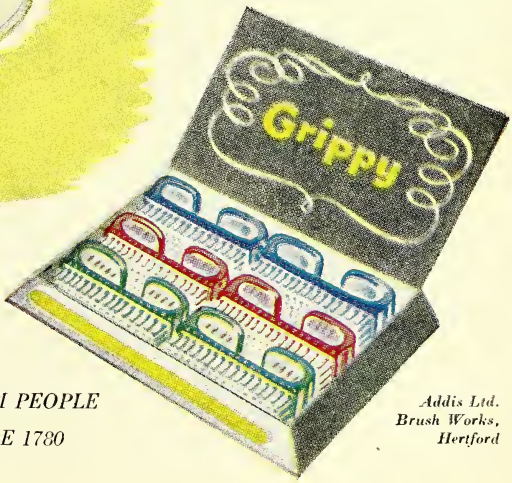
VALUE = SALES! SALES = PROFITS!

Swift-sale GRIPPY



Yes, sales are quick when you put Grippy, the nailbrush with a nickname, on your counter. Moulded to fit your hand, never-slip, ever-grip Grippy comes in 3 entrancing colours and a smart counter sell-out. So, if you want hot-cake sales, stock up with Grippy.

The price to you is 25/10 per doz. (*plus pur. tax*).



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ADE BY Addis THE WISDOM PEOPLE
MAKERS OF FINE BRUSHES SINCE 1780

Addis Ltd.
Brush Works,
Hertford

NOW! Introducing Toni Home Perm with new, exclusive

Another PLUS for you

Toni JUNIOR REFILL for odd end curls

TRADE PRICE **2/-**
PURCHASE TAX (100%) **2/-**
RETAIL PRICE *(Incl. Purchase Tax)* **5/-**

Here's another profit-maker for you. The Toni Junior Refill contains sufficient waving lotion, end papers and neutralizer for 14 to 18 curlers.

You'll find a ready market for this Junior Refill among women who like to keep odd curls and fast-growing neckline strands neat and tidy during intervals between complete re-perms with Toni. Ideal, too, for soft-waving children's baby-fine hair!

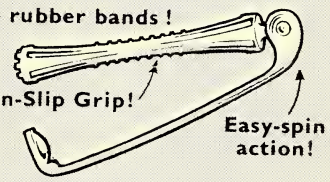
oni SPIN Curlers!

A Best Selling Certainty! Toni Home Perm with the new, exclusive Toni SPIN Curlers is here — the very same Toni and the very same SPIN Curlers that are proving to be such a sensational profit-making success in America! Toni SPIN Curlers are easier to manage, quicker to use and easier to sell.

Heaviest-ever Toni Advertising The introduction of the Toni SPIN Curler Kit will be backed by the heaviest concentration of Toni advertising yet seen in this country. Large size spaces in National papers and magazines will carry the news of the Toni SPIN Curler Kit to women throughout Great Britain.

More Profits for You! This advertising is planned to support your selling. Why not reap the rewards of this additional business by tying in with this powerful publicity? A full range of attractive new SPIN Curler display material is available on request.

EASIER WINDING
IN HALF THE TIME!



Patent Pending

ORDER NOW!

Place your orders now for Toni SPIN Curler Kits and for Toni Junior Refills, too! Please address enquiries to your usual wholesaler.

STOCK TONI — FEATURE TONI

A PRODUCT OF THE TONI DIVISION OF GILLETTE, ISLEWORTH, MIDDLESEX

News from DALMAS of Leicester

New *waterproof* protection for cuts

A NEW-TYPE ADHESIVE STRAPPING

Waterproof . . . has 101 First-Aid uses

DALMAS STRAPPING, a new *waterproof* plastic adhesive with 101 first-aid and other uses, is now in widespread demand everywhere. Because of this, supplies have been greatly increased.

These spools are handy

Dalmas Strapping can be cut to any size, gives 100% protection against water, dirt, grease and acid. That's why it's specially suitable for tiny cuts, sore places, torn finger nails, etc. In particular, it is ideal wherever the fixing of a bandage would be awkward. Dalmas Strapping stretches *all* ways, so edges stick tight while allowing free movement of joints and muscles. Attractive counter sell-outs contain twelve 1/- spools, each 1 inch by 1 yard, price 8/-, or 24 spools, price 16/-. Also in 3-yard lengths, and in 2 inch and 3 inch widths.

DALMAS HEEL DRESSINGS. A new *waterproof* dressing that is specially designed for sore and blistered heels. Handy boxes, price 1/- retail.

DALMAS FINGER-TIP DRESSINGS. A new *waterproof* adhesive protection for cracked, cut or sore finger-tips. Handy boxes, 8/- per dozen, to retail at 1/- each.

DALMAS BOIL PLASTERS. A new *waterproof* protective dressing for boils. Skin-coloured, hardly shows. Handy boxes, price 10d. retail, including tax.

Heavy demand for Dalmas First-Aid Dressings

TO meet the nation-wide demand, we have further increased supplies of Dalmas, the *waterproof* plastic dressing that offers a totally new method of protecting cuts and minor wounds.

Dalmas gives 100% protection against water, dirt, grease and acid. So you need only cover the affected place and . . . no further trouble! You can actually *wash with it on.*

Dalmas stretches *all* ways (not just one way). That's why edges stick tight, cannot fray, cannot catch in clothes. What's more, Dalmas lessens infection risk, promotes safe and easy healing.

Display this box on your counter

Dalmas is skin-coloured, hardly shows. In attractive blue-and-white counter sell-outs, containing three dozen 1/- boxes, price 8/- per dozen. Special quantity discounts. PLACE YOUR ORDER NOW!

A. de St. Dalmas & Co. Ltd.

LEICESTER (Phone: Leicester 65261)

***London Depot:* 140-142 St. John St., E.C.1 (Clerkenwell 3399)**

***Leeds Depot:* 14 Neville Street (Leeds 29764)**

***Scottish Agents:* Robert Telford, 29 Waterloo St., Glasgow, C.2 (Central 2716)**

BIF 1950

MAY 8-19

Britain has invited the World!

Preparations for this year's British Industries Fair began before B.I.F. closed in 1949. To build up the greatest commercial event of 1950 organization has been continuous.

DURING THE SUMMER
3,050 manufacturers applied for a million square feet of display space. Exhibitors in 90 trades were allocated to 32 groups of allied industries.

IN AUTUMN
120,000 buyers throughout the world began to receive personal invitations.

THROUGH THE WINTER
63 advertising campaigns were launched in 33 languages—and a special campaign was prepared in America.

IN THE NEW YEAR
27,000 advance *catalogues were sent exclusively to buyers abroad.

BY SPRINGTIME
10,000,000 pieces of printed information had been distributed within business communities overseas.

★

NOW—*some 15,000 importers are travelling here to see what we can make.*

Will you be there?

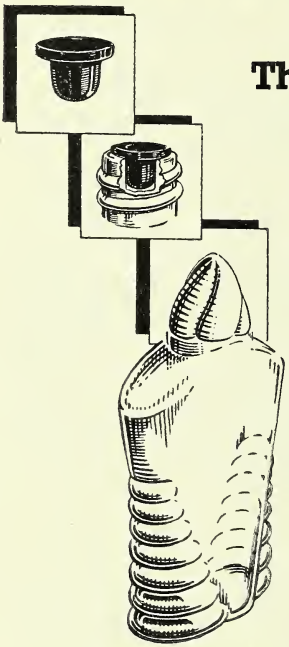
LONDON—Earls Court and Olympia. Weekdays 9.30 a.m.—6 p.m. Buyers Badges and *Catalogues, 2/6 each, obtainable only at Fair. Public admitted Saturday and Wednesday (May 13 and 17) 1/6 each building.

BIRMINGHAM—Castle Bromwich. Weekdays 9.30 a.m.—6 p.m. Buyers Badges and *Catalogues, 2/6 each, obtainable only at Fair. Public admitted daily from 2 p.m. (all day Saturday) 2/6.

DRUGS AND TOILET PREPARATIONS AT OLYMPIA

The Chekaleke PLUG

TRADE MARK
PAT No. 439062



Regd. No. 860380

The perfect seal

no leakage

no evaporation

CHEKALEKE PLUGS ARE MADE FOR ALL STANDARD SIZE OPENINGS AND A FULL RANGE OF SAMPLES WILL GLADLY BE SENT ON REQUEST

Produced by the makers of the finest glass containers

THE INTERNATIONAL BOTTLE CO LTD

PHONE: MAYFAIR 6992 (5 LINES)

140 PARK LANE, LONDON, W.1

GRAMS: AUTREFOIS, AUDLEY LONDON

It's Just "STERGENE
LADIES...
We are up against it!
Stergene makes Business of Cleansing

Stergene advertising has always been restrained and reasonable—and has been none the worse for that. Exaggerated claims are never made for Stergene because they are not necessary. Housewives learn to trust Stergene, and it is that confidence which makes Stergene a regular item on so many shopping lists. Truly Stergene makes business of cleansing.

Stergene
SCIENCE IN CLEANSING

PRODUCT OF DOMESTOS LIMITED NEWCASTLE-UPON-TYNE

"RELIANCE"

150 YEARS IN THE SPONGE TRADE

"CRESSWELLS" are today the largest bulk buyers of **Natural Sea Sponges**, with a widespread organisation which gets the best when the sponge crop is fished. For the best sponges, in the widest range, the brand is **RELIANCE.** Please send for illustrated leaflet showing our full range of attractive sales-producing sponge boxes.

Your enquiries, for sponges and also for CHAMOIS LEATHERS, will receive immediate, expert attention.

RELIANCE FINEST QUALITY SPONGE

CRESSWELL BROS. SPONGES

(International Sponge Importers Ltd.)

SPONGE IMPORTERS & EXPORTERS

BUCK STREET · CAMDEN TOWN · LONDON

Phone: GULliver 5462-3 Telegrams: Sponge, Norwest, London

B.I.F. VISIT OUR STAND D. 55 OLYMPIA (GROUND FLOOR). MAY 8th—15

Another fast-selling Hygex line!

Designed in the finest post-war style, with hard-wearing bristle top and bottom, this HYGEX Nail Brush will sell fast—like the other popular brushes in the heavily-advertised HYGEX range. The HYGEX Nail Brush No. 750 (as shown) retails at 3/6d. each, and is supplied in an attractive counter display carton containing ½ doz. brushes.

Your wholesaler will show you the complete range.

Hygex

NAIL BRUSHES

Manufacturers:

ENDERSON BROS. & CO. LTD.

RWELL ROAD, LONDON, E.10. PHONE: LEYTONSTONE 5202/3

An amazing

A precision Gillette razor and two Blue Gillette Blades

THE NEW GILLETTE '32' set at an amazingly low price will bring the finest shaving within the reach of the lowest income.

Big, hard-hitting advertisements in the widest circulation newspapers will put the wonderful value of the Gillette '32' set squarely before every man and boy who can shave.

Sales of this new set will mean that more and more of your customers will learn Gillette shaving comfort and become regular users of Blue Gillette Blades. Order now, so that we may get your supplies to you with as little delay as possible.

Trade price: display carton (2 doz. sets) 20/-
P. Tax 33⅓% 6/8
Retail price (inc. P. Tax) 1/6 each

SHOW! DISPLAY! SELL!

Order for distribution through your usual supplier.

GILLETTE INDUSTRIES LIMITED

Gillette offer !

Gillette '32'

EAT WEST ROAD, ISLEWORTH MIDDLESEX

Cyclo

LANETTE WAX SX

(Regd. Trade Mark since 1930 of Deutsche Hydrierwerke A.G.)

MANUFACTURED IN ENGLAND

The original product was always imported from Deutsche Hydrierwerke prior to the war.

Special Reduced Quotations

Ask for booklet, samples, etc.

CYCLO CHEMICALS LTD

MANFIELD HOUSE, STRAND, LONDON, W.C.2

REPRESENTATIVES IN THE UNITED KINGDOM OF DEUTSCHE HYDRIERWERKE A.G., DUESSELDORF

For over 60 years the trade have relied on the

PILLS CAPSULES & TABLETS

OF

HOWARD LLOYD

Many young chemists (as their fathers did 30 years ago) are placing all their orders with HOWARD LLOYD. They know that Howard Lloyd give constant satisfaction—in special order or regular bulk supplies.

HOWARD LLOYD & CO., LTD.
LEICESTER

An

ALL-BRITISH FIRM

have pleasure

in announcing that:—

BRONCHOVYDRI

is back on the

BRITISH MARKET

★

EXEMPT *from* PURCHASE TAX

★

This Inhalant for the Treatment of Asthma is now Obtainable from the

Manufacturers and Sole Distributors:—

BRONCHOVYDRIN (1945) LTD.

12 WESTWOOD ROAD · BARNES · S.W.13

OUTSELLS ALL OTHER HAIR TREATMENTS

est terms bring ou 2/- profit n every sale

The solid reputation of Pure vikrin as a scientific hair treat-nt has put its sales streets ahead any competition. Are you get-g your proper share of this lucrative siness? It pays to push Pure Silvikrin h good displays. Not only are you cking a proved and tested product, safe recommend, but, bought on best terms, ry bottle yields you 2/- profit. Silvikrin vertising this year will be bigger and ter than ever. NOW is the time to ler on Best Terms.

Pure Silvikrin

Silvikrin Laboratories Ltd.
Sole Selling Agents: Prichard & Constance (Mfg.) Ltd.
North Circular Rd., N.W.10 ELGar 8095

Stops Scurf

Page-Barker's

Scurf & Dandruff Lotion

Trade 20/- doz.

Plus Tax ⅓ Retail 3/4

Ask for Showcard

Money Back Guarantee on every bottle!

Sole Distributors to the Chemists' Trade—

THOS. CHRISTY & CO. LTD. FARNHAM, SURREY

Sole Manufacturers and Proprietors:—

THE ILEX SUPPLY CO., LTD., 252b, GRAY'S INN ROAD, LONDON, W.C.1

WOMEN DEMAND LIPSTICK

LIPSTICK DEMANDS LIP-COTE

Every customer for lipstick is a customer for LIP-COTE! LIP-COTE, colourless and quick drying, keeps lipstick in its proper place—it cannot smear and won't rub off. Nationally advertised. Send *NOW* for showcards, display material and details of attractive terms to:

B.G.P. (Cosmetics) Ltd., 37, Chesham Place, London, S.W.1

LIP-COTE for SMEARPROOF LIPS

Retail Price 6 6 Inc. P. Tax 2/7

More and more people are asking for

VICHY-CELESTINS

THE WORLD-FAMOUS FRENCH SPA WATER

Bottled as it flows from the Spring

There is an ever increasing demand for Vichy-Célestins, over 40,000,000 bottles of which are sold annually throughout the world. Showcards and leaflets available to retailers on request.

Sole Agents for the United Kingdom:
Ingram & Royle Ltd., 12 *Thayer Street, London, W.1., also distributors of the other famous French Spa Waters—Contrexeville-Pavillon, Evian and Vittel.*

Increase your Toilet Sponge Sales with—

A NEW . . .
A Wider Market

You can do much bigger business in toilet sponges when you offer Spontex. These high quality sponges, in attractive colours at attractive prices, are being bought by people who have not before been sponge users. They offer you completely new sales opportunities. Order Spontex Sponges in assorted colours to take advantage of their unique display possibilities. Enquire through your usual supplier or in case of difficulty write to the address below. *(Showcard on request).*

NOT RUBBER—BUT SUPER-ABSORBENT CELLULOSE

OVAL TOILET SPONGE (No. 33) In four delightful colours: natural yellow, blue, green and pink. Retailing at **2/9d.** including purchase tax.

SPONTEX BATH SPONGE (No. 44) in the same colours. Retail price **3/8d.** including P.T.

SPONTEX BABY SPONGE Extra fine, extra soft. In natural yellow, blue and pink. Beautifully wrapped. Retail price **2/5½d.** including P.T.

SPONTEX COSMETIC SPONGE Retail price **7½d.** including P.T.

M in Great Britain by :—
ONCEL LTD., WOLDHAM ROAD, BROMLEY, KENT. Tel : RAVensbourne 2641

SHADFORTH

LIMITED

Proudly Present

THREE PROVED SELLERS IN NEW PACKS

INCREASED TRADE DISCOUNT

These new packs carry 33⅓% discount backed by **National Press Advertising** to send you new customers.

Come and see the new packs at the **British Industries Fair.**

STAND D. 42

CHEMISTS SECTION, OLYMPIA.

SHADFORTH LTD.

Manufacturing Chemists

49, KING WILLIAM STREET, LONDON, E.C.4

FERRIS & COMPANY, LTD.

BRISTOL.

MANUFACTURING AND WHOLESALE CHEMISTS

The House in the West for all Chemists' Supplies.

Send us your orders for prompt and careful attention.

Regular Road Deliveries.

Telephone: BRISTOL 21381

Telegrams: FERRIS, BRISTO

PATTINSON'S MAGNESIA

GUARANTEED B.P. QUALITY

Mag. Carb. Levis. **Mag. Carb. Pond.**
Mag. Oxide Levis. **Mag. Oxide Pond.**
Mag. Trisilicate.
Mag. Hydrate. **Mist. Mag. Hydrox.**

Supplied through all wholesalers by the sole manufacturers:

The WASHINGTON CHEMICAL CO. LTD.

A MEMBER OF THE TURNER & NEWALL ORGANISATION

WASHINGTON
CO. DURHAM

London Office:
Everite House, 59½, Southwark St., S.E.1

Manchester Office:
15, Pollard St. East, Manchester, 10

PROFIT by selling

BRONTAN
SUN-TAN CREAM

LAST summer, Brontan sales were big. The demand persisted throughout the season. Stock up for this summer—the demand will be there, and you will have the advantage of our new bonus offer, with its much larger profits. Write for full details at once.

BRONTAN

ALL ORDERS AND COMMUNICATIONS TO SOLE DISTRIBUTORS :—

ALFRED FRANKS & BARTLETT CO. LTD.,

AUDREY HOUSE, ELY PLACE, E.C.1. Telephone HOL. 1078/9

PREMIER ROLI FILMS

8 EXPOSURE PANCHROMATIC AND ORTHOCHROMATIC FILMS

AVAILABLE FROM STOCK

SIZES P.20, P.62, P.27, P.16, P.29

PREMIER PHOTOGRAPHIC SUPPLY CO.

93A SHAKESPEARE WALK · LONDON · N.16

Wendy Brand CREME de LANOLIN

Created to meet the demand for a smooth easily applied Creamed Lanolin. Is available in handy Cartoned Tubes and attractive 2-dozen display outers.
The tube has now been increased in size, the retail price remains the same.

Retail Selling Price
1/4½ inc. tax.

Obtainable from your wholesaler.

If any difficulty write direct to the Manufacturers
COLLEGE LABORATORIES LTD.
The Tower, Warmley, Bristol

London and Home Counties Distributors
H. B. DORLING LTD.
18 Churston Avenue, Upton Manor, London, E.13
Telephone: Grangewood 2324

"SURCO"

RELIABLE

ELASTIC HOSIERY

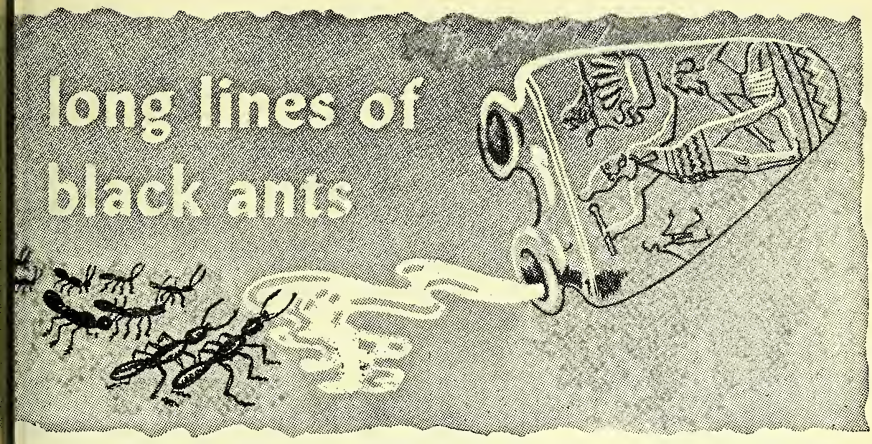
SEAMED AND SEAMLESS

SURGICAL BELTS
TRUSSES AND SUNDRIES

Over 50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottn



lines of black ants attracted to umeha, 'honey urine,' led the ancient men of the East to observe and recognise tic urine, which they described as 'astrin- sweet, white and sharp.' Sugar-hungry s became an acknowledged means of osis. Almost equally primitive methods ne-sugar detection prevailed for a score ore of centuries, until modern copper reduction tests were perfected and simplified. Simplest of all today is the reliable Ames tablet method, performed in a matter of seconds. Urine-sugar levels are determined by direct, easily-learned steps. The use of 'Clinitest' (brand) reagent tablets has eliminated the inconvenience of external heating. Interpretation of routine urine-sugar testing follows readily from colour scale comparison.

Centuries to perfect—seconds to perform

CLINITEST

(TRADE MARK)

REAGENT TABLETS FOR URINE-SUGAR ANALYSIS

APPROVED BY THE MEDICAL ADVISORY COMMITTEE OF THE ABETIC ASSOCIATION

Leaflets for distribution to purchasers of diabetic products will be sent free with all orders. For complete information write to the Sole Distributors:

DON S. MOMAND LTD

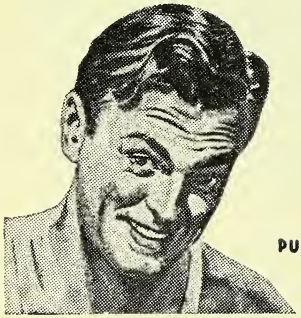
57 ALBANY STREET, LONDON, N.W.1

A PRODUCT OF THE AMES COMPANY INC., OF ELKHART, IND. U.S.A.

I took **VULFIX** straight on the chin!

See Our Stand No. K1
At the B.I.F. (1st Floor)

And I kept it there, whipping up a whisker wilting lather in a wink!



VULFIX "SERVICE" obtainable through all wholesalers

Retail at **3/11, 5/11, 6/9, 8/6** each

VULFIX "Service"
PURE BRISTLE *Shaving* **BRUSH**

THE BRUSH WITH THE 2 YEARS GUARANTE

PROGRESS SHAVING BRUSH Co., Ltd.

Mottram Street, Stockport • **49 Leadenhall Street, London, E.C**
Phone: STOckport 2147 Phone: ROYal 2857

Femex REGD.

Drastic cuts in
'FEMEX'
Sanitary Towels

Femex No. 1.....18/-....2/-
Femex No. 2.....22/6....2/6
Femex No. 3.....27/-....3/-
Maternity .....27/-....3/-
Soluble No. 1.....15/9....1/9

High Quality unchanged
IMMEDIATE DELIVERY

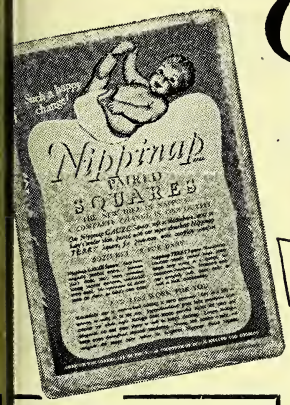
WILFRED STRETCH & Co.
LIMITED
CASTLETON · ROCHDALE

FOR

PATENTS
DRESSINGS
PILLS & TABLETS
DANGEROUS DRUGS
DRUGS & GALENICALS
ETHICAL PROPRIETARIES

SMITH & HILL
(Chemists) Ltd.
SIDNEY ST., SHEFFIELD, 1
Phone: 24321

NOW THE GREAT NAPKIN SALES CAMPAIGN HAS BEGUN! MOTHERS AND MOTHERS-TO-BE THROUGHOUT BRITAIN ARE LEARNING THAT CHEMISTS SELL



Nippinap REGD.

PAIRED SQUARES

Are you ready to meet the great demand?

ippinap PAIRED SQUARES RE BEING SOLD FOR OU BY LARGE SPACE DVERTISING IN:

aily Mirror, Woman's wn, Woman's Weekly, lodern Woman, House-ife, Mother & Home, Voman, Mother, My ome, Everywoman, ursery World, Baby Book.

Total Circulation: Ov r 8,750,000

Within a matter of days, women in your district will be seeing compelling advertisements for NIPPINAP Paired Squares, the new idea in nappies. These ads. will tell them to come to *you* for Britain's finest napkins. Mothers already depend upon you for so much of their children's well-being. Complete the service by selling them the most profitable item in the baby requisite trade—NIPPINAP Paired Squares. Ready packed in hygienic wrapping, NIPPINAP Paired Squares can be handed straight from the counter to the customer, netting you 1/6 a unit.

Nationally advertised, backed by first-class display material and carrying *no* purchase tax, NIPPINAP Paired Squares are a profitable line, easy to stock, easy to handle (no wrapping required) and easy to sell. Write or phone for stock TO-DAY.

CTS THAT MOTHERS ARE LEARNING ABOUT THE NEW IDEA IN NAPPIES

TWO NAPKINS IN ONE PACK—*one* Nippinap GAUZE Square, soft as thistledown, nd *one* super-absorbent Nippinap TERRY quare. Complete outfit (two napkins) 5/11½d.

NIGHT-LONG PROTECTION. The uper-absorbency of Nippinap Paired Squares ives protection with comfort the whole night hrough.

WONDERFULLY EASY TO WASH. Only the soft-textured GAUZE Square is soiled—so the stains are easily removed by the lightest rubbing. A good soaking is practically all that the TERRY Square needs.

DRY IN A JIFFY—EVEN INDOORS. A short time in the sun or in front of the fire—and the clean nappies are ready for use again.

Awarded the Certificate of the Royal Institute of Public Health and Hygiene.

E IN AT THE BEGINNING—ORDER TO-DAY!

Sole selling agents for the Chemist trade:

LTER CROWE LTD., 3/4 LITTLE RUSSELL STREET, LONDON, W.C.1. CHAncery 7051/2

Now more freely available . . . . . .

ALTEX SANITARY TOWELS

Comfort and Security

Dozen Packets **15/3**

SOLD ONLY BY CHEMISTS AND DRUG STORES

Retail 1/8½ Pkt.

Packets of Twelve

Loop Ends · Knitted Covers

Obtainable direct only from :

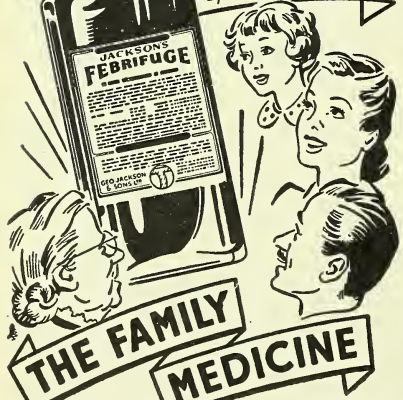
CUXSON, GERRARD & CO. LTD.

OLDBURY, BIRMINGHAM

JACKSON'S

FEBRIFUGE

1/7;3/10;6/4



THE FAMILY MEDICINE

GEO. JACKSON & SONS LTD., Harpurhey, Manchester 9

BEAR BRAND HONEY

For Purity and Quality

As direct importers from all the main Honey-producing Countries of the World, we can supply Standard Grades of the finest Honey for all Manufacturing purposes.

Supplied in 7-lb. and 56-lb. tins and in barrels

L. GARVIN & CO. LTD.
ISLEWORTH . MIDDLESEX
Telephone : HOUnslow 3483 (3 lines)

FAMOUS FOR OVER 90 YEARS

Fennings'

HOME REMEDIES

the well tried Profit-earning READY 'SELLERS'

FENNINGS' CHILDREN'S COOLING POWDERS
Retail at 1/6 and 3/6 and in Show Packs of 100's and 240's.

Fennings' Little Healers
For Coughs, Colds, Bronchitis, etc., 1/6 and 3/6. Also 7/- per Carton of 12 Packets, retailing at 7d. each.

FENNINGS' WHOOPING COUGH MIXTURE
And for other Coughs too. Retails at 1/6

FENNINGS' RHEUMATIC TABLETS
Retail Price 2/6 for Carton of 45 Tablets

Fennings' Fever Mixture
per bottle retails at 1/6

Unheralded except for the usual spate of coughs and colds, winter makes her debut and wise families are already replenishing medicine chests with Fennings' remedies.
Have you sufficient stocks for the extra business? Order now through your usual wholesaler, or if in difficulty write to:—

ALFRED FENNINGS · HORSHAM · SUSSEX

Thank Kolynos for

BIGGER SALES

There's a new campaign running in the national press and magazines, selling 'Kolynos' Dental Cream.

Thank Kolynos for whiter teeth, sweeter breath

is its message. Take advantage of the strong impact this is having. Make 'Kolynos' the centre of your next I.C.C. mixed parcel.

INTERNATIONAL CHEMICAL CO. LTD., CHENIES ST., W.C.1.

Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2. SE

WHIFFEN'S

FINE CHEMICALS

IODIDES

POTASSIUM · SODIUM · IODOFORM

MISCELLANEOUS ORGANIC &

INORGANIC IODINE-

RESUBLIMED

TESTED PURITY

B.I.F. STAND No. B9 OLYMPIA MAY 8—19

WHIFFEN & SONS LTD · FULHAM · LONDON SW6

A DIVISION OF BRITISH CHEMICALS & BIOLOGICALS LTD.

elephone : RENown 3416 Telegrams : Whiffen, London

THE SAFE AND EFFECTIVE TREATMENT FOR HEAD LICE

Imperial Chemical (Pharmaceuticals) Ltd. have pleasure in introducing 'Lorexane' Head Lotion — a new preparation for the treatment of head lice.

'Lorexane' Head Lotion contains gamma benzene hexachloride, a most powerful parasiticide which destroys head lice at one application. It is easy to use, non-irritant and has no harmful effect on the hair or scalp.

The pharmacist can recommend 'Lorexane' to the public with absolute confidence in its safety and efficiency.

Available in bottles of 50 *c.c. in display outers of twelve.*

Ask for supporting display material—
Display Stands
Counter Leaflets.

'LOREXANE' HEAD LOTION

From your wholesaler or, in case of difficulty, apply to your nearest I.C.I. Sales Office—London, Bristol, Birmingham, Manchester, Glasgow, Edinburgh, Belfast and Dublin.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED
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